

Mendota FV-44i Full View Direct Vent Gas Fireplace Insert

With
High Definition Combustion System

MENDOTA
AMERICA'S LUXURY FIREPLACE



Willow Doors in Vintage Iron shown

INSTALLATION & OPERATING INSTRUCTIONS

NO. DT-0901

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS:**
 - Do not try to light any appliance.
 - Do not touch electrical switches; do not use the phone in your building.
 - Immediately call your gas supplier from a neighbors phone. Follow your gas suppliers instructions.
 - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

AVERTISSEMENT : Assurez-vous de bien suivre les instructions donné dans cette notice pour réduire au minimum le risque d'incendie ou pour éviter tout dommage matériel, toute blessure ou la mort.

- Ne pas entreposer ni utiliser d'essence ni d'autres vapeurs ou liquides inflammables dans le voisinage de cet appareil ou de tout autre appareil.
- **QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ:**
 - Ne pas tenter d'allumer d'appareil.
 - Ne touchez à aucun interrupteur. Ne pas vous servir des téléphones se trouvant dans le bâtiment où vous vous trouvez.
 - Appelez immédiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur.
 - Si vous ne pouvez rejoindre le fournisseur de gaz, appelez le service des incendies.
- L'installation et service doit être exécuté par un qualifié installer, agence de service ou le fournisseur de gaz.

This appliance may be installed as an OEM installation in a manufactured (mobile) home and must be installed in accordance with the manufacturer's instructions and the manufactured home construction and safety standard, Title 24, Part 3280, standard for manufactured home installation, ANSI/NCBCS A225.1 or Standard for Canada,, CSA Z240.4

This appliance is only for use with the type(s) of gas indicated on the rating plate. A conversion kit is supplied with the appliance.

INSTALLER: Leave this manual with the appliance.

CONSUMER: Retain this manual for future reference.

This appliance is only for use with the type(s) of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

Cet appareil doit être utilisé uniquement avec les types de gas indiqués sur la plaque signalétique. Ne pas l'utiliser avec d'autres gas sauf si un kit de conversion certifié est installé.

TABLE OF CONTENTS

SPECIFICATIONS	1
CONGRATULATIONS!	2
GENERAL INFORMATION	3
ELECTRICAL REQUIREMENTS	3
SPECIFICATIONS & CLEARANCES	4
INSTALLATION INSTRUCTIONS	5
FLUE VENTING	6
RAISED HEARTH SPECIFICATIONS	10
GAS SUPPLY REQUIREMENTS.....	11
GAS PRESSURE REQUIREMENTS	11
INSTALLATION CHECK OFF LIST	14
DOOR REMOVAL AND REPLACEMENT.....	15
LOG SET, COALS AND EMBERS INSTALLATION INSTRUCTIONS.....	15
LIGHTING INSTRUCTIONS	22
VALVE WIRING AND PLUMBING SCHEMATIC.....	25
LP KIT CONVERSION	26
BLOWER OPERATION AND WIRING.....	31
CUSTOMER INFORMATION AND TROUBLE SHOOTING	32
GAS FLAME ADJUSTMENT	33
MAINTENANCE	34
REPLACEMENT AND SERVICE PARTS.....	35
"LABEL REPRESENTATION"	36
MENDOTA WARRANTY QUALIFICATION & SERVICE REFERENCE FORM	38
MENDOTA EXTENDED LIFETIME PROTECTION AND LIMITED WARRANTY.....	40

SPECIFICATIONS

MODEL FV-44i

High Fire - Adj. to - Low Fire

BTUH	NAT. GAS	41,400	---- 12,300
BTUH	L.P. GAS	39,000	---- 14,000

MAIN ORIFICE.....REAR BURNER: #39 NAT. GAS [#54 L.P. GAS] – FRONT BURNER: #46 NAT. [#56 LP]

OVERALL EFFICIENCYEXCEEDS D.O.E. EFFICIENCY REQUIREMENTS (A.F.U.E.)

FLUE VENT LINER.....CO-LINEAR - 4" DIAMETER EXHAUST & 3" DIAMETER INLET

NET WEIGHT195 lbs.

SAFETYAGA CERTIFIED, ELECTRONIC IGNITION THERMOCOUPLE SYSTEM
ACTIVATED WITH SWITCH, REMOTE CONTROL OR THERMOSTAT.

GAS REQUIREMENTSSUPPLY PRESSURE: GAS INLET: 3/8" N.P.T.

NAT. GAS: 7" W.C. [5.0" W.C. MIN., 11" W.C. MAX.]

L.P. GAS: 11" W.C. [11" W.C. MIN., 13" W.C. MAX.]

ELECTRICAL REQUIREMENTS 120 Volts AC, 2 Amps

LISTINGS - INTERTEK TESTING SERVICES TESTED TO: ANSI Z21.88-2005 – CSA2.33-2005 – CAN/CGA 2.17-M91

Gas appliances must be tested and certified by a nationally recognized testing and certification agency to American National Standards Institute - ANSI Gas Appliance Safety Standards. . The Mendota Gas Fireplace Insert has been tested and certified by Intertek Testing Services. 8431 Murphy Drive, Middleton, WI 53562.

INSERT INCLUDES CERAMIC COMBUSTION SYSTEM, DUAL HOT AIR BLOWERS, HIGH DEFINITION FIBER LOG SET & COALS, NEO-CERAM GLASS REMOTE ELECTRONIC IGNITION AND THERMOSTAT, AGA CERTIFIED SAFETY SYSTEM.

CONGRATULATIONS!

You are the owner of a world-class heat producing gas fireplace insert.

This elegant, highly efficient insert will be a constant source of comfort and fascination. The High Definition Combustion System will be the focal point of beauty and interest in your home.

The Mendota Gas Fireplace Insert is a true heating appliance incorporating the traditional aesthetics of fireplace fire viewing with the controllability and fuel efficiency of a home gas furnace. Of particular interest is the low fuel consumption and brilliant fire viewing.

Carefully read the following instructions prior to actual installation. Proper Mendota Gas Fireplace Insert installation and operation will give you years of safe trouble free comfort and enjoyment.

If you have any questions regarding installation or operation of your Mendota Fireplace Insert please contact your local dealer.

...CAUTION...

FOR YOUR SAFETY do not install or operate your Mendota Gas Fireplace Insert without first reading and understanding this manual. Any installation or operational deviation from the following voids the Mendota Gas Fireplace Insert Warranty and may prove hazardous:

Due to high temperatures, the Fireplace in which the Insert is to be installed should be located out of traffic and away from furniture and draperies. Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition. Young children should be carefully supervised when they are in the same room as the Mendota Gas Fireplace Insert.

Clothing or other flammable material should not be placed on or near the Insert.

Mendota Inserts are designed for installation only in vented non-combustible fireplaces. Any fireplace in which an Insert is to be installed MUST be vented to the outside in accordance with the latest addition of Natural Fuel Gas Code. Do not connect this appliance to a chimney flue serving a separate solid fuel-burning appliance. Any grill, panel or glass removed for servicing the Insert MUST be replaced prior to operating the Insert.

The Mendota Gas Insert is a powerful, efficient heating unit. It has been designed as a major source of supplemental heat. It should not take the place of, or be used as, a whole house heating system.

Installation and repair should be done by a qualified service person. The Insert should be inspected before use and at least annually by a professional Mendota approved service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and air passageways be kept clean.

DO NOT use this insert if any part has been under water or exposed to moisture corrosion. Immediately call a qualified service technician to inspect the Fireplace Insert and replace any part of the control system and any gas control that has been under water. DO NOT use this insert if burner does not light immediately. If burner does not light promptly, turn off unit and call your Mendota dealer.

It is Johnson Gas Appliance Company's policy that no responsibility is assumed by the Company or by any of its employees or representatives for any damages caused by an inoperable, inadequate, or unsafe condition that is the result, either directly or indirectly, or any improper operation or installation procedures.

INSTALLER: THESE INSTRUCTIONS ARE TO REMAIN WITH HOMEOWNER.
--

GENERAL INFORMATION

Your Mendota Gas Fireplace Insert has a state-of-the-art direct vent, sealed combustion system. This advanced, highly efficient system brings in outside air for combustion, has a separate exhaust vent and efficiently heats and re-circulates room air. The Mendota system maintains high air quality, maximizes efficiency and assures proper operation.

SAFETY AND STRUCTURAL CONCERNS:

The FV-44i Fireplace Insert must be installed and serviced by a Mendota approved serviceperson. Any adjustments to burner, pilot, logs or coal bed must be made by a Mendota approved service person. If pilot goes out, always wait five (5) minutes before relighting pilot. The flame must not "lift" off the burner.

ALWAYS USE MENDOTA FACINGS, MENDOTA VENT SYSTEMS AND MENDOTA APPROVED VENT CAPS. ONLY DOORS CERTIFIED WITH THE APPLIANCE SHALL BE USED.

A non-combustible hearth protector is required and must extend a minimum of 16" in front of the fireplace when this insert is installed at floor level.

VENTING REQUIREMENTS:

Use only Mendota specified vents and vent caps when installing your fireplace insert. All vent pipe sections must be tight and leak proof.

HEATING PERFORMANCE

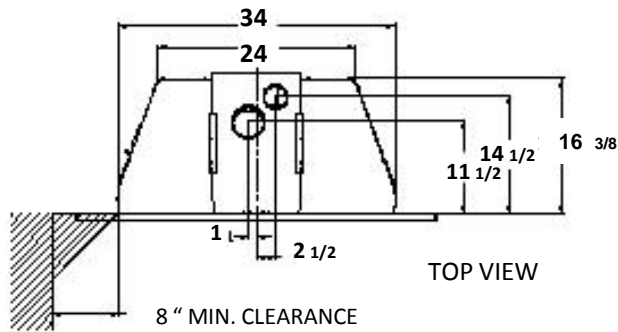
The Mendota FV-44i I Fireplace Insert is a true, high efficiency gas heater. The Mendota Insert will usually heat a large area of your home if situated to maximize heat circulation. **NOTE:** The Mendota Insert is designed as a supplemental heat source. It should not be used as a whole house heating system. Supplemental air movement considerations for maximizing heat circulation are: through-the-wall grills, floor grills, ceiling fans, or the continuous operation of central heating and cooling blowers. The most EFFICIENT and successful method for overall heat distribution is a ceiling fan. "Customer Information". The heat output of the Insert can be reduced by using the down arrow on the Remote Control – see pg. 23. Heat output can be further reduced by turning off the rear burner using the remote control. The blowers can also be turned down to reduce heat output.

ELECTRICAL REQUIREMENTS

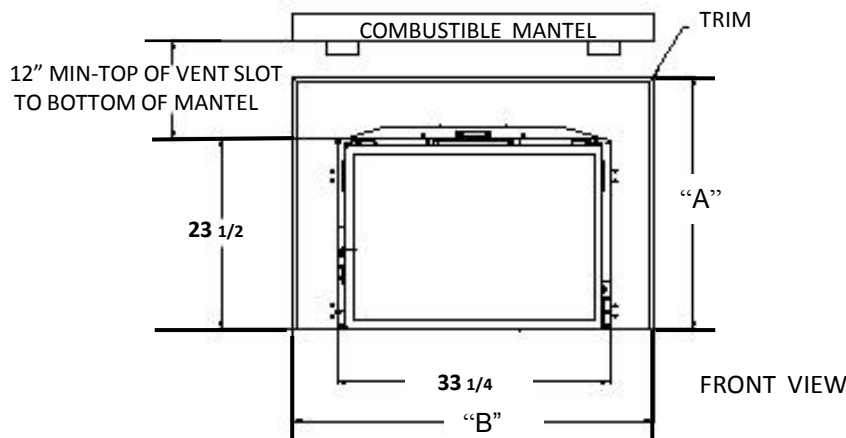
A 120-volt electrical service must be supplied at the fireplace location at the time of installation.

The blowers must be electrically grounded in accordance with local codes or in the absence of local codes, with the National Electric Code ANSI/NFPA 70-1987. The blowers are equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. **DO NOT CUT OR REMOVE THE GROUNDING PRONG FROM THIS PLUG!**

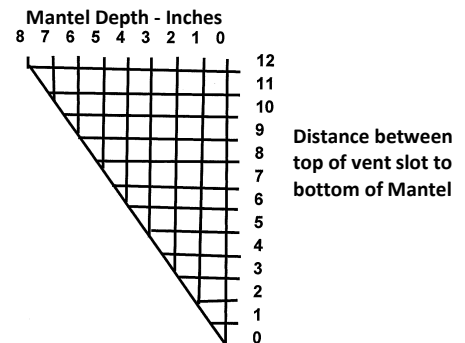
MENDOTA FV-44i GAS DIRECT VENT FIREPLACE INSERT SPECIFICATIONS & CLEARANCES



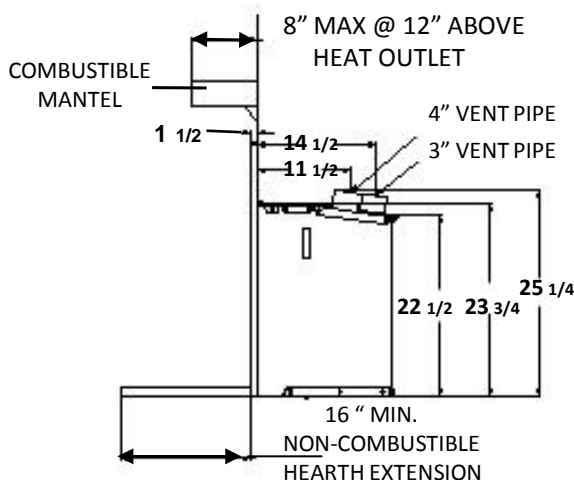
Minimum Allowable Fireplace Opening:
34" wide X 24" high X 17" Deep



A combustible mantel (or trim) must fall within the grid area as shown:



Note: For every additional inch in mantel depth, distance above top of vent slot to bottom of mantel must increase 1 1/2"



FV-44i Faceplate Dimensions

	A		B	
	Inches	mm.	Inches	mm.
No Trim	31	788	44	1118
	33	838	48	1220
	36	914	52	1321
With Black or Brass Trim	31 1/16	792	44 1/8	1122
	33 1/16	843	48 1/8	1224
	36 1/16	920	52 1/8	1326

The solid-fuel fireplace chimney must be clean and in good working order and is constructed on non-combustible materials

Chimney cleanouts must fit properly.

The refractory, glass doors, screen, and log grates can be removed from the solid-fuel fireplace to accommodate the gas insert.

Smoke shelves, shields, and baffles can be removed if attached with mechanical fasteners.

Trim panels and surrounds shall not seal ventilation openings in the fireplace.

WARNING: Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

Cutting of any sheet metal parts on the solid-fuel fireplace is prohibited.

INSTALLATION INSTRUCTIONS

CAUTION: Each installation must conform to all local, state and national codes. Refer to the national fuel gas code and local zoning and code authorities for details on installation requirements. The Mendota Inserts must be vented to the outside in accordance with the latest edition of the National Fuel Gas Code. In the absence of local codes, the installation must conform with National Fuel Gas Code ANSI Z223.1 (NFPA 54), or Canadian Code CAN1-B149 or most current edition, also known as NFPA 54. Do not connect this Insert to a chimney flue serving a separate solid fuel or gas-burning appliance.

1. Remove glass doors, metal fire screens, etc. from existing fireplace. Be sure there is 12" minimum distance from top of upper grill to bottom of mantel; see Specifications (Pg.4 & 5), and a 16" minimum non-combustible hearth extension in front of the glass surface if a raised hearth is not supplied. (See pg. 10 for "Raised Hearth").
2. Remove any additional framework or other obstructions in the existing fireplace opening and burning area. Also remove any chimney cap from top of chimney so that vent liner can be installed freely.
3. Before Insert is installed, have gas supplier or contractor run gas line to the existing fireplace. Be sure gas plumbing instructions [see Pg. 11 & 12 are carefully followed. Gas supply may enter fireplace on either side or back of fireplace, whichever is most convenient and accessible. Electrical service (120 volt) should also be supplied [See electrical requirements on Pg. 3 and blower instructions on Pg. 26].
4. The entire chimney should be swept to remove creosote, soot and any obstructions (bird nests, etc.).
5. Open fireplace damper. If damper opening is large enough to accept the 4" and 3" flue liners, permanently secure damper in "open" position. **NOTE:** *Massachusetts requires that the flue damper must be removed or permanently welded in the "open" position.*
6. If damper opening is too small for the 4" & 3" flue liners, it will be necessary to remove the damper handle and the damper plate. Some damper plates are held in place by a pinned hinge that can be released easily by tapping out the pin with a hammer and punch. Others may be held in place by a screw or bolt, or pivots may be cast into the damper housing. The latter types may be harder to get out and may require sawing or breaking out. [NOTE: if flue size is 6" (127 mm) or less, or if severe offsets occur, or a significant mortar slop is evident between the liners, try to snake liner down the chimney to the top of the damper housing before breaking out damper plate and housing.]

CAUTION: If the 4" & 3" flue liners cannot be installed in an extremely tight chimney DO NOT proceed with installation.

7. If damper opening is narrower than 4-1/2" to 5" (114 mm to 127 mm) and if local code authorities allow, loosen and remove mortar behind back side of damper housing in the center of the opening enough to get the gripping teeth of a pipe wrench over the flange of the damper housing (for cast iron housings). Tighten the wrench snugly, and kick down on the wrench handle to break out a half moon shaped piece of the damper housing, enough to easily fit the flex liner through it. If the opening is wide enough, the break out is not necessary.
- 8. Install Insert only in chimney heights of 12' (minimum) to 35' (maximum) -- as measured in step 9 below.**
9. Measure the chimney height from the top of the chimney (or the existing flue liner) to a point 24" (610 mm) above the floor of the fireplace hearth. It may be necessary to drop a rope and measure the rope itself. Be sure to allow for all offsets in existing chimney. Cut the 4" and 3" diameter flex liner (s) to this measured length.

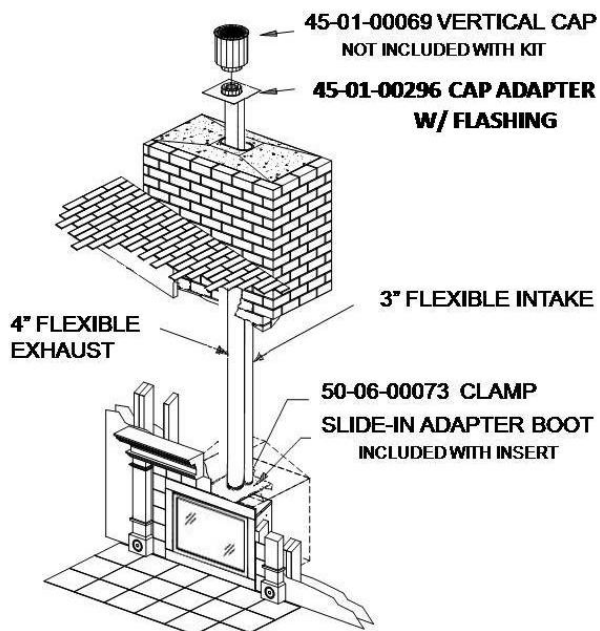
FLUE VENTING

10. The FV-44i Insert must be vented vertically to the outside and must use the Mendota Co-Linear flexible ducting system.

NOTE: THE INSERT IS DESIGNED, TESTED AND LISTED FOR OPERATION ONLY WITH MENDOTA INSERT VENTING COMPONENTS AS LISTED IN FIGURES BELOW:

CO-LINEAR VENT KIT

AA-11-01017



AA-11-01017 VENT KIT COMPONENTS

Magnaflex Ref. # 100640

#45-01-00069 VERTICAL CAP

(Ordered Separately
— not part of kit)

#45-01-00296 CAP ADAPTER
W/ FLASHING

#50-06-00073 CLAMP

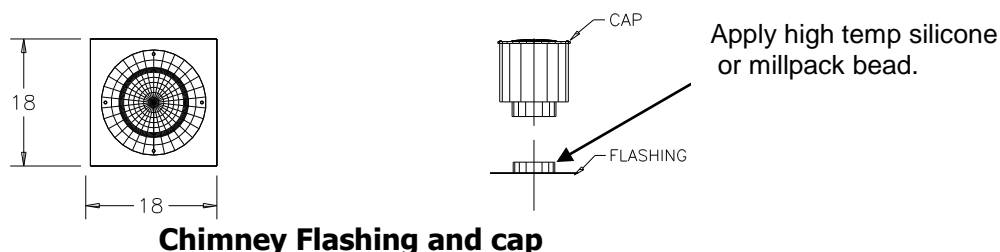
35' FLEX VENT

#50-06-00073 CLAMP

SLIDE-IN ADAPTER BOOT
(INCLUDED W/ INSERT)

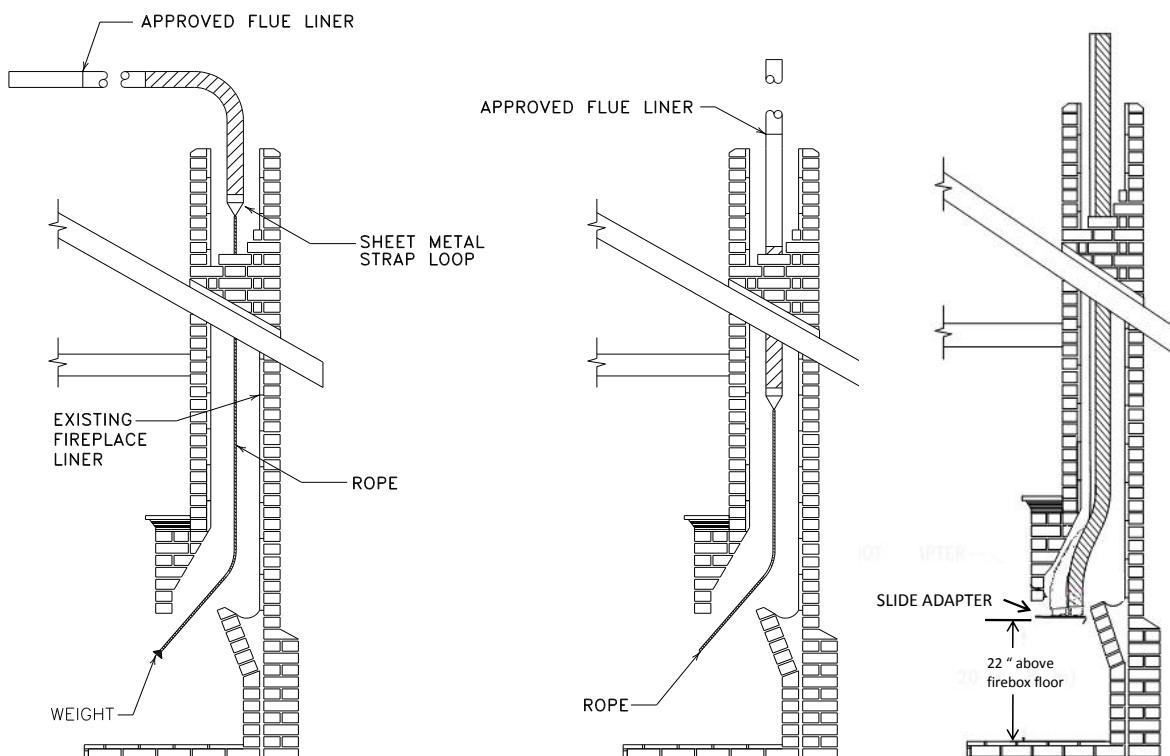
Ref. # 45-01-00295

11. (See FIGURE BELOW) The vent kits include a trimable flashing. Measure, trim and shape flashing to fit the existing flue liner. This flashing prevents water and small animals from entering area between the chimney liner and flue liner. Plan for 1" to 1-1/2" (25 mm to 38 mm) overlap on each side. Center the flashing and mark it about 3" (75 mm) larger in each dimension than the existing chimney. Trim the notch with snips and bend edges with hand seaming tool, metal break or pliers. Apply high temperature silicone sealer or millpack to the male ring before slipping cap onto male ring. Attach cap to flashing adapter ring with three self tapping screws.



12. Attach a sheet metal strap loop to the flex end of the liner(s) and tie a rope to it. Two installers should proceed to the roof and drop the rope (with weight on the end to make sure it goes all the way down) and insert the liner(s) past the flexible portion, into the existing chimney – SEE BELOW:

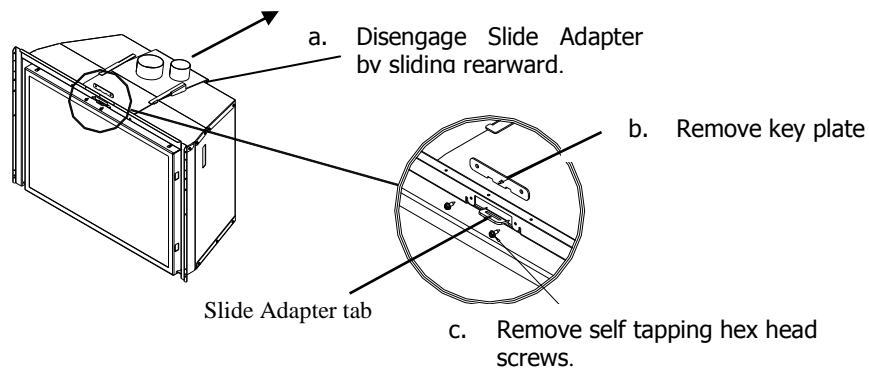
NOTE: Repeat this step for second liner.



13. One installer should then return to the fireplace opening and pull the rope to guide the liner(s) into place through the smoke shelf and the damper opening to a point 22" (560 mm) above the fireplace hearth. The person below should wear leather gloves and Safety Glasses during this process to avoid being cut and to safeguard eyes from flying debris.

CAUTION: WHEN USING FLEX ALUMINUM LINER, USE EXTREME CAUTION WHEN STRETCHING LINER AROUND OFFSETS SO AS NOT TO RUPTURE LINER.

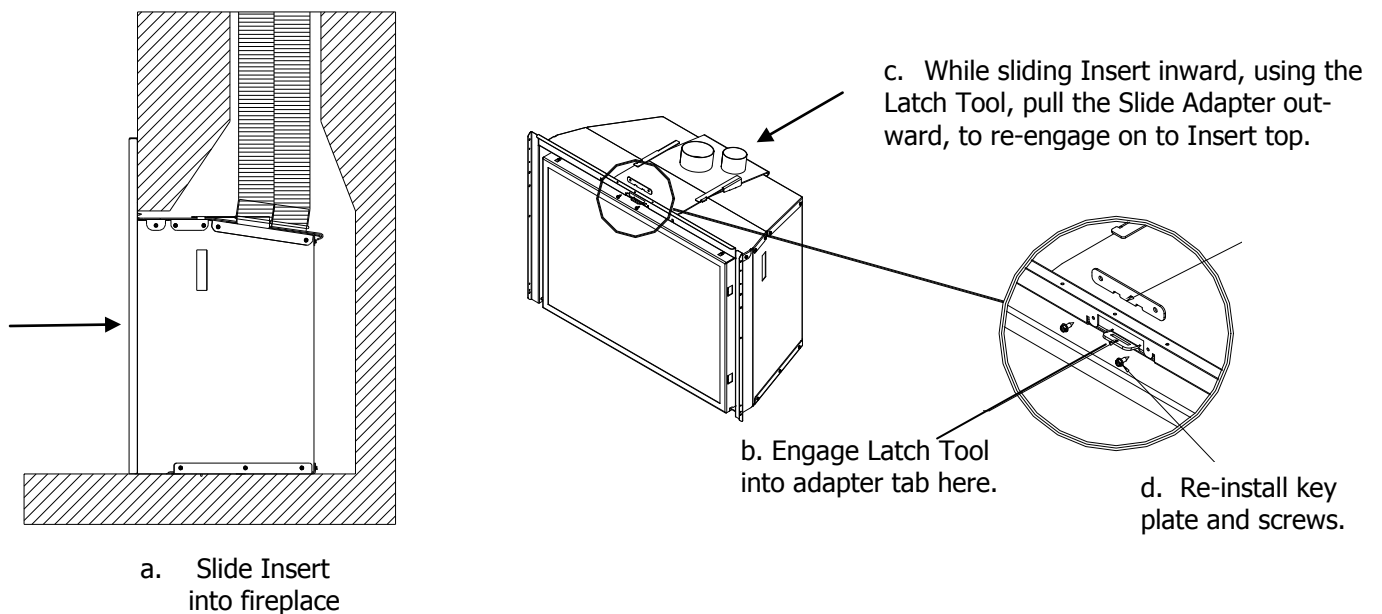
14. Remove Slide Adapter Boot as shown:



15. Tightly secure 3" and 4" flex vents with clamps provided. Seal vent cap/flashings to top of chimney with weatherproof sealer. Seal areas between flex pipes and existing chimney, at damper area, with unfaced fiberglass insulation.

16. Carefully slide Insert into the fireplace opening (Note: Plug in the blower to a 110 volt AC receptacle inside the fireplace opening, if so equipped).

Re-engage Slide Adapter and re-install keeper plate as shown:



18. You are now ready to hook up the Insert to gas supply. Be sure gas plumbing instructions and all state and local codes have been carefully followed. Be sure all items on Installation Check-Off List have been completed.

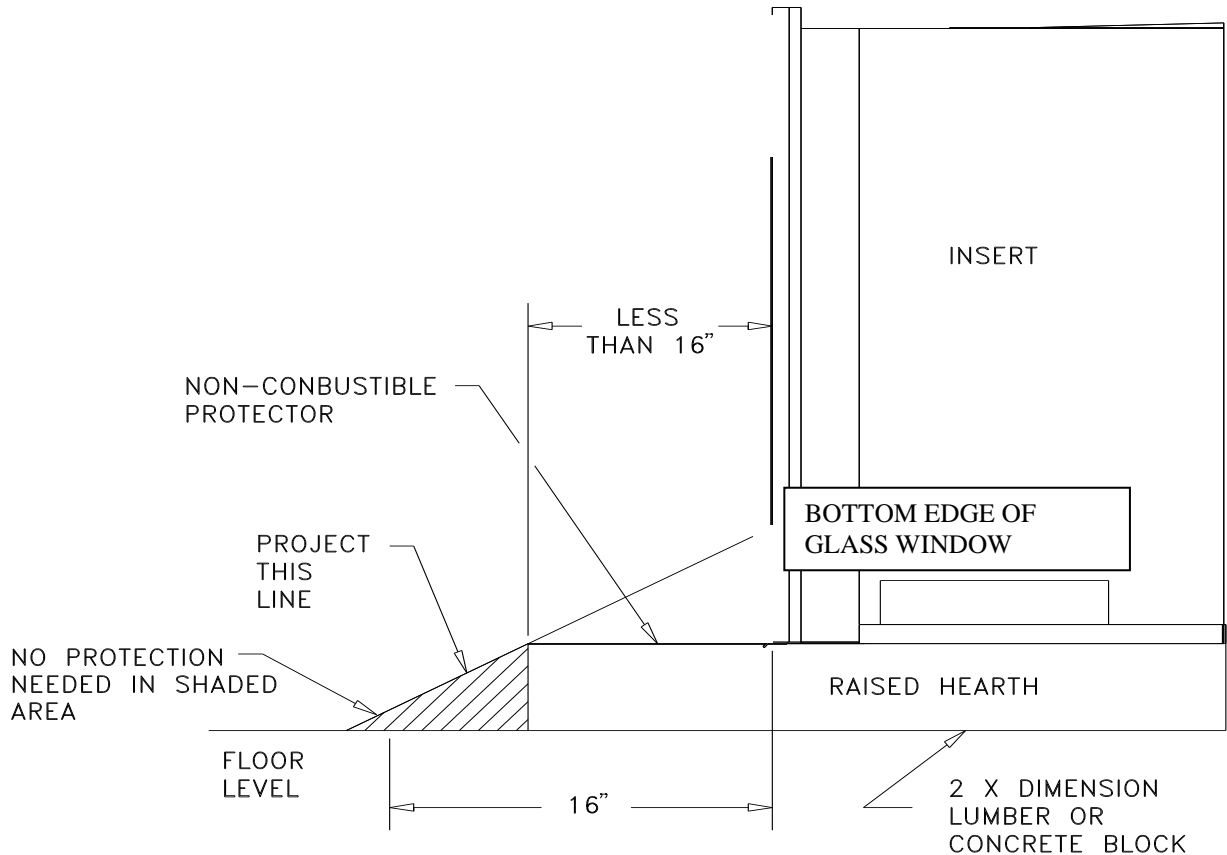
NOTE: AGA APPROVED FLEX LINES ARE APPROVED FOR USE WITH MENDOTA INSERTS.

19. Carefully slide the Insert into place in the fireplace opening. At this time, check that Insert is level and plumb with the fireplace opening and positioned in the middle of the opening. If Insert is unsteady or needs leveling, the unit may need to be "shimmed with washers under the bottom corners of insert.
22. The proper Insert Faceplate can now be placed in position. Assemble surround by following instructions supplied with faceplate kit. Select the appropriate size of faceplate to cover the area between the Insert and existing fireplace opening.

...IMPORTANT...

NOTE: INSTALLATION, SERVICING AND REPAIR MUST BE DONE BY A QUALIFIED SERVICE PERSON. THE INSERT SHOULD BE INSPECTED AT LEAST ANNUALLY BY A PROFESSIONAL SERVICE PERSON. MORE FREQUENT CLEANING MAY BE REQUIRED DUE TO EXCESSIVE LINT FROM CARPETING, BEDDING MATERIAL, ETC. IT IS IMPERATIVE THAT THE CONTROL COMPARTMENT BURNERS AND CIRCULATING AIR PASSAGEWAYS OF THE INSERT BE KEPT CLEAN.

RAISED HEARTH SPECIFICATIONS



In most installations, a 16" non-combustible protector is required in front of the unit's glass door surface on the floor or raised hearth. This protection can be any non-combustible material such as 24-gauge sheet metal, tile, brick, concrete board, etc. Please note that the required 16" clearance starts at the front face of the glass door. If replacing a wood-burning insert with this gas insert, the existing and approved hearth protection will provide adequate floor protection.

If a raised hearth extends less than 16", refer to the diagram above and the following procedure to see if additional floor protection is required.

Project a line (using string or a tape measure) from the lower edge of the glass window to the edge of the raised hearth, continuing on to the floor. If the point of intersection with the floor is beyond 16" from the Insert, then no further floor protection is required. If the intersection is less than 16" from the Insert then additional non-combustible floor protection is required to meet the minimum 16".

For installations where the fireplace is raised 16" or more above the floor, or if the existing floor is non-combustible (stone, brick, etc.), a non-combustible protector is not required.

GAS SUPPLY REQUIREMENTS

NOTE: IF INSERT IS OPERATED ON LP GAS, SEE PAGE 26 BEFORE PROCEEDING.

CORRECT GAS PRESSURE AND PROPER GAS SUPPLY LINE SIZING IS IMPERATIVE TO THE SUCCESSFUL PERFORMANCE OF YOUR ENDOTA GAS FIREPLACE INSERT. BE SURE THE GAS SUPPLIER OR PLUMBER CAREFULLY CHECKS FOR CORRECT GAS PRESSURE AND GAS LINE SIZING WHEN INSTALLING THE FIREPLACE INSERT.

IT IS CRITICAL TO CAREFULLY CHECK FOR GAS LEAKS WHEN HOOKING UP THE FIREPLACE INSERT -- CHECK WITH SOAP & WATER SOLUTION.

BE SURE TO INSTALL FLEX GAS LINE WITH BRASS-TO-BRASS FITTINGS TO PREVENT GAS LEAKS AT CONNECTIONS.

GAS SUPPLY PIPING MUST INCLUDE A DRIP LEG TO ELIMINATE THE POSSIBILITY OF CONTAMINANTS ENTERING THE GAS TRAIN. ADHERE STRICTLY TO LOCAL AND NATIONAL CODES.

GAS SUPPLY LINE SIZING

The Mendota Gas Insert comes equipped with a 3/8" N.P.T. [1.0 cm] inlet on the main gas valve. Gas supply piping may enter the cabinet from either the left or right side.

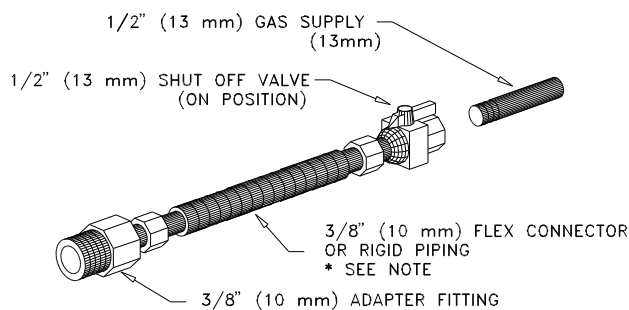
The proper gas line diameter must be selected to run from the supply regulator to the Insert. Refer to the following table for proper gas pipe diameters.

PIPE LENGTH [FEET]	SCHEDULE 40 PIPE INSIDE DIA.		TUBING, TYPE L OUTSIDE DIA.	
	NAT.	L.P.	NAT.	L.P.
0-10	1/2" [1.3 cm]	3/8" [1.0 cm]	1/2" [1.3 cm]	3/8" [1.0 cm]
10-40	1/2" [1.3 cm]	1/2" [1.3 cm]	5/8" [1.6 cm]	1/2" [1.3 cm]
40-100	1/2" [1.3 cm]	1/2" [1.3 cm]	3/4" [2.0 cm]	1/2" [1.3 cm]
100-150	3/4" [2.0 cm]	1/2" [1.3 cm]	7/8" [2.3 cm]	5/8" [1.6 cm]
150-200	3/4" [2.0 cm]	1/2" [1.3 cm]	7/8" [2.3 cm]	3/4" [2.0 cm]
NOTE: Some areas allow copper tubing or galvanized pipe - check with local approval agencies and codes <u>NEVER</u> use plastic pipe.				

GAS PRESSURE CHECKING REQUIREMENTS

A pressure tap for checking gas pressure is located on the main gas valve. A qualified installer should use this fitting for setting the correct gas pressure during initial installation. [See Gas Pressure Chart Pg. 12].

If supply gas pressures exceed 1/2 PSIG [3.5KPA], the appliance must be isolated from its supply with an approved manual shut-off cock. This manual shut-off cock must be closed during any supply line pressure testing. Check with your gas supplier or plumber.



SUGGESTED PIPING CONFIGURATION
(SUPPLIED BY MANUFACTURER)

NOTE: DO NOT DAMAGE OR KINK THE FLEX CONNECTOR
CHECK FOR GAS LEAKS WITH SOAP AND WATER SOLUTION.

* NOTE: 3/8" (10 mm) FLEX OR RIGID PIPING MAY BE USED TO CONNECT
GAS SUPPLY TO UNIT DEPENDING ON STATE AND LOCAL CODES.

NOTE: BE SURE TO INSTALL FLEX GAS HOSE WITH BRASS-TO-BRASS
FITTINGS TO PREVENT LEAKS AT CONNECTION.

If the factory-built fireplace has no gas access hole(s) provided, and access hole 1.5" or less may be drilled through the lower sides or bottom of the firebox in a proper workmanship like manner. This access hole must be plugged with non-combustible insulation after the gas supply line has been installed.

GAS PRESSURE REQUIREMENTS

A MAJOR CAUSE OF OPERATING PROBLEMS WITH GAS APPLIANCES CAN BE IMPROPER GAS PRESSURE!

Such problems as changes in flame color or configuration, gas pilot or burner outages, intermittent operation, changes in heat output, excessive burner noise, etc. are nearly always the result of changes in gas pressure or improper gas pressure at the time of the installation. The most important item to check during the installation and the first thing to check when problems occur is gas pressure!

Gas supplies normally enter a residence at 1/2 PSI (13" - 15" W.C.) (3. KPA). A regulator is then placed inside the residence, which drops this pressure to 7" W.C. (1.8 KPA) (Nat. Gas). This "inches to inches" regulator is of adequate capacity to service the gas appliances (such as dryer, furnace, etc.). If this regulator's capacity is not sufficient to add the Gas Fireplace, an additional "inches to inches" regulator must be installed for the Fireplace. EXCEPTION: Some codes allow 2-PSI (1.4KPA) supplies to enter the residence, in which case "pounds to inches" regulators are used.

The following table provides information on correct gas pressure requirements. Be sure your gas supplier or plumber carefully follows this table.

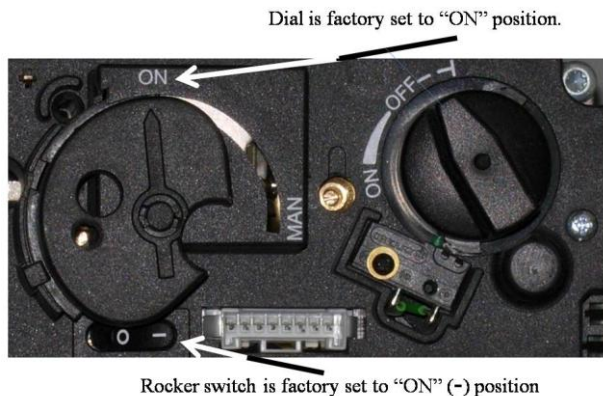
	DESIRED INLET PRESSURE	MINIMUM INLET PRESSURE	MAXIMUM INLET PRESSURE
NATURAL GAS	7.0" W.C. (1.75 kPa)	5.0" W.C. (1.12 kPa)	11" W.C. (2.61 kPa)
L.P. GAS	11.0" W.C. (2.75 kPa)	11" W.C. (2.75 kPa)	13.0" W.C. (3.24 kPa)

TURN GAS VALVE KNOB TO "HIGH" POSITION. GAS PRESSURES MAY VARY PLUS OR MINUS 5%.

*NOTE: FOR HIGH ALTITUDE (ABOVE 5,000 FEET) SOME VARIATIONS IN AIR SHUTTER SETTINGS MAY BE REQUIRED.

Manifold pressure must be taken at the MANIFOLD" tap and inlet pressure at the "SUPPLY" tap **with the burner operating** by a qualified installer.

1. Make sure any gas supply shut-off cocks are open.
2. See Pg. 18 for lighting instructions.



GAS LEAK TEST REQUIREMENT: It is the responsibility of the installer/service person to assure that each and every gas connection and supply tubing that are a part of this fireplace are leak proof. The qualified/ certified individual connecting the gas supply line, performing pressure tests or performing any service to this fireplace is required to perform a THOROUGH LEAK TEST on ALL gas fittings that are a part of this appliance or the gas supply line connection using soap-water solution or a calibrated combustible gas detector. Failure to perform this leak test may lead to a house fire and/or an explosion. Mendota is not responsible for any damages due to an Installer's failure to conduct a leak test and verify that all connections and supply lines are leak proof.

WARNING: Do not operate appliances with glass front removed, cracked, or broken. Replacement of glass should be done a licensed or qualified service person.

Note: Consult the local or national installation code(s) to assure that adequate combustion and ventilation air is available.

HIGH ALTITUDE INSTALLATIONS

For installations from 610-1370 meters (2000-4500 ft.) the orifice sizes (DMS) for natural gas are #47 Front/#39 rear and for propane gas are #57 front/#54 rear. See data plate for additional information. For high altitude installations consult the local gas distributor or the authority having jurisdiction for proper rating methods. If the installer must convert the unit to adjust for varying altitudes, the information sticker must be filled out by the installer and adhered to the appliance at the time of conversion.

«Cet appareil est équipé pour des altitudes comprises entre 0 et 2000 pieds (0-610 m) seulement»

This appliance has been converted for use at an altitude of _____	
Orifice size _____	Manifold Pressure _____
Input (Btu/h) _____	Fuel Type _____
Date of conversion _____	Converted by _____
«Cet appereil a été converti au _____	
Injecteur _____	
Pression à la tubulure d'alimentation _____	
Déoît calorifique _____»	

INSTALLATION CHECK OFF LIST

The following check list must be completed prior to initial lighting of the Fireplace Insert, or manufacturer's warranty and liabilities will be voided:

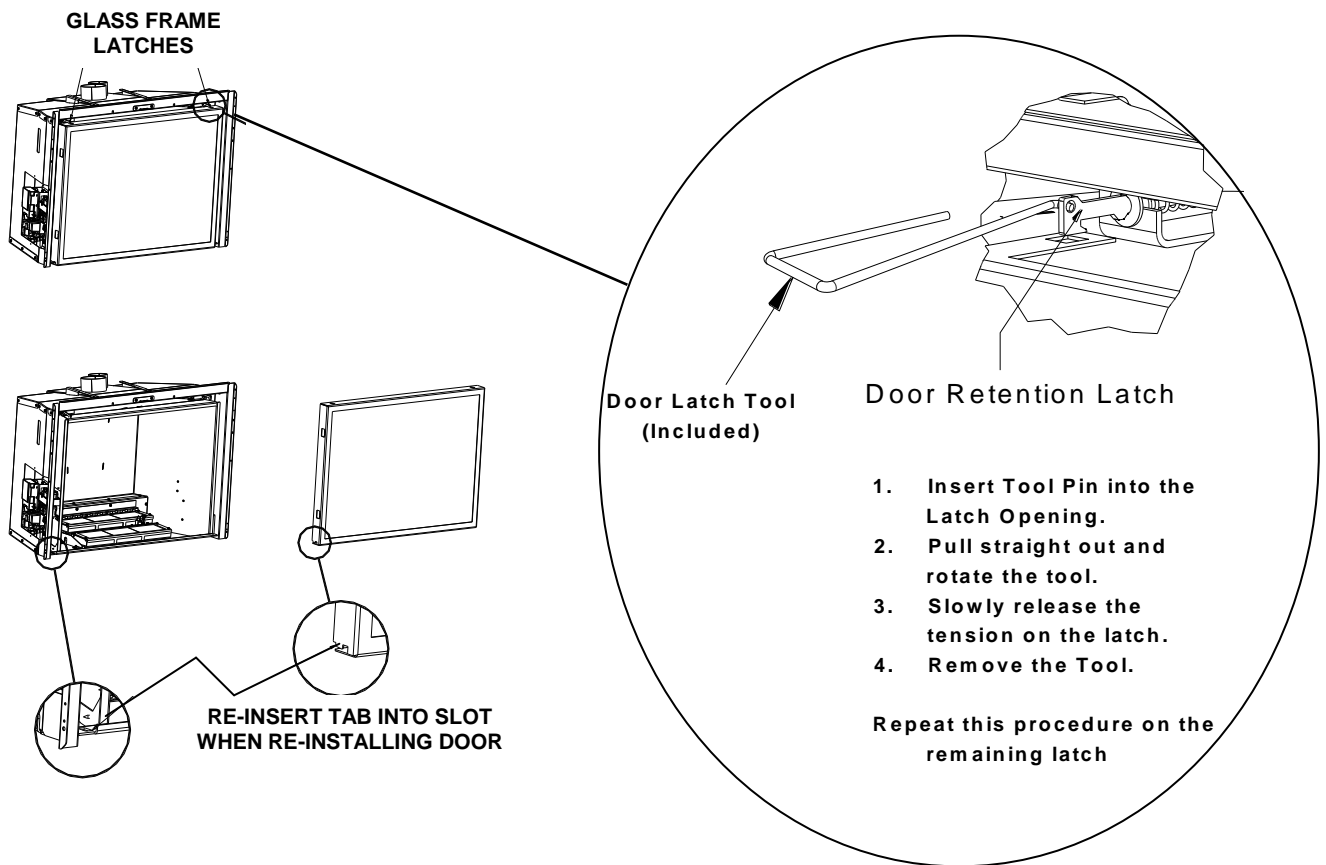
- ☐ Venting system must be installed by a Mendota approved person according to Figure 3, Pg. **Error! Bookmark not defined.** with clamps securely in place and all joints leak proof.
- ☐ Electrical supply and gas supply must be properly installed and must conform to National and Local Codes.
- ☐ Check that correct fuel supply is connected to appliance. Check correct gas pressure, correct size gas lines and for gas leaks on all gas supply connectors and this gas insert's gas valve train connectors.
- ☐ Proper clearances to combustibles must be maintained.
- ☐ **LEAK TEST REQUIREMENT:** Vibration during shipping and transit of this appliance may cause some gas connections to loosen. All gas train connections in this appliance, including field installed supply line fittings and all factory installed gas train connections between the gas valve and the burner orifice(s) and pilot light, must be leak tested prior to first firing using soap and water solution or a calibrated Combustible Gas Detector. All leak tests are to be performed by a qualified installer. It is the responsibility of the installer to verify that all connections are sealed properly and leak-proof.

LIGHTING CHECK OFF LIST

Be sure to check these items before final operation of the Fireplace Insert

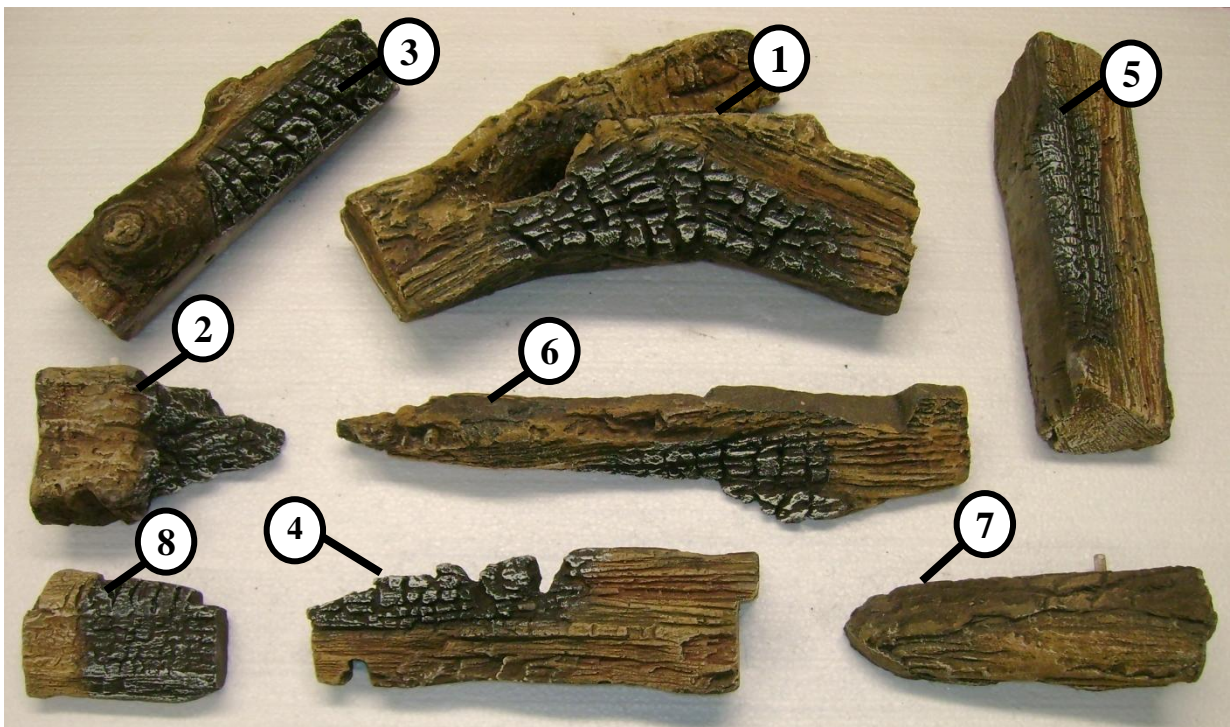
- ☐ All items on "Installation Check Off List" must be completed.
- ☐ Connect Rocker Switch, Wall Switch, Remote Control or Thermostat to main valve.
- ☐ Carefully follow all lighting and log installation instructions. Make certain that burner lights immediately and lights both front and rear burners.
- ☐ DO NOT proceed with operation unless burner cycles "on/off" without delays and the flame is "stable" and not "lifting" off burner.
- ☐ Caution: If pilot goes out be sure to wait a minimum of 5 minutes before relighting.

DOOR REMOVAL AND REPLACEMENT



LOG SET, COALS AND EMBERS INSTALLATION INSTRUCTIONS

Remove the foam log package from the fireplace, and carefully unpack the logs and set aside:





Place grate over burners as shown above. Tear apart some of the fiber embers into approximately quarter size pieces and place loosely at the rear edge of the back burner and in the gap between the front and rear burner as shown.



Tear some additional fiber embers into dime to nickel size pieces and loosely place them onto burners as shown. Take care not to cover the pilot – shown in circle above.



Scatter loosely some of the smaller grey and black coals on top and among the fiber embers.



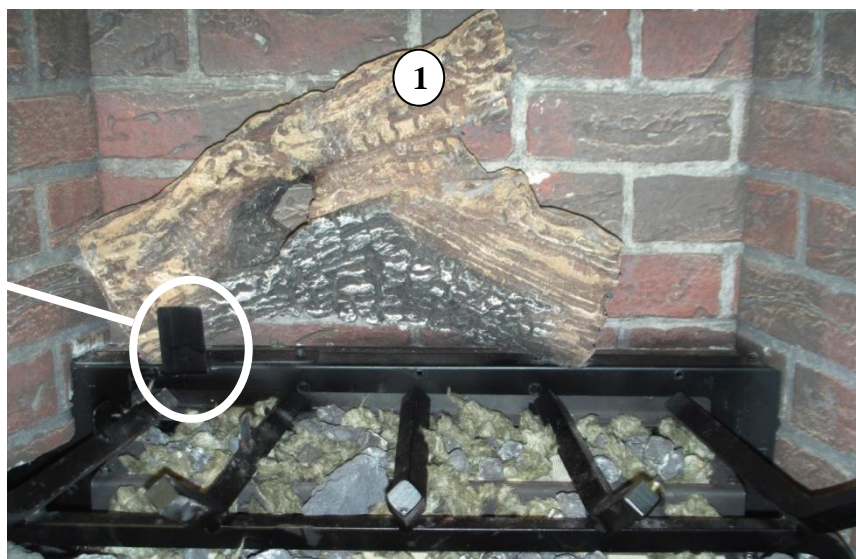
Tear up additional fiber embers and loosely place one more layer of embers on both burners.



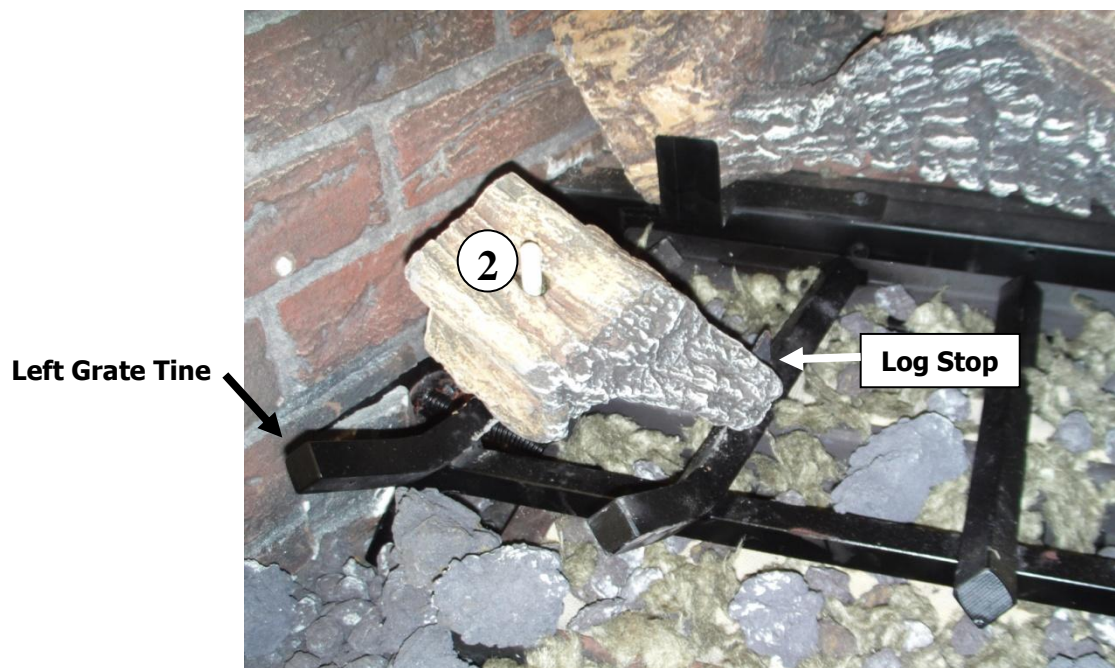
Decorate left and right ends of burners with the larger coals, to hide the burners. The remaining smaller grey and black coals may be used to fill in the floor in front and at both ends of burners.



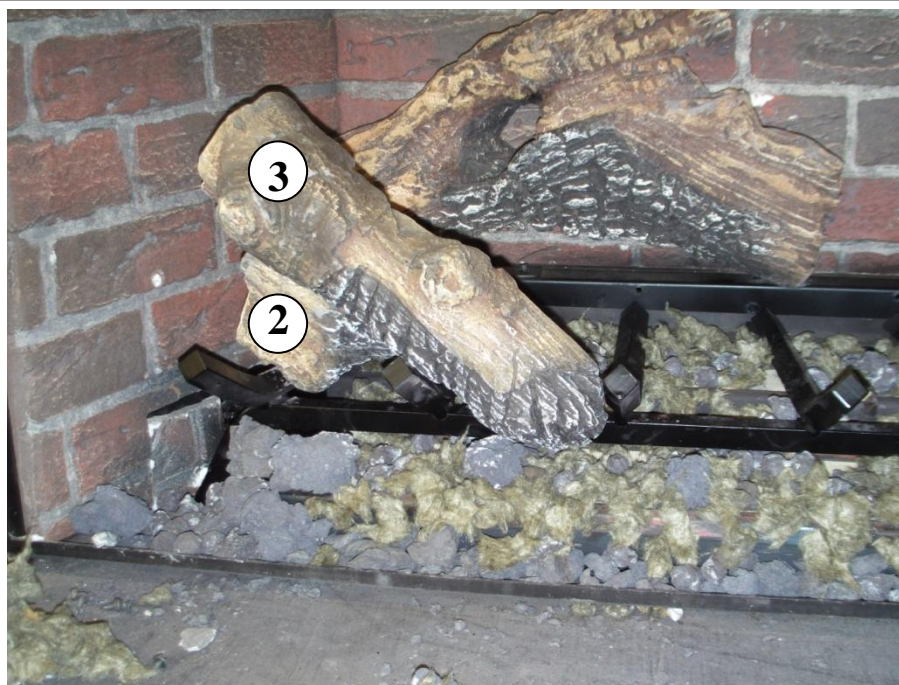
Use the remaining fiber embers to scatter over edges of burner.



Place Log # 1 on back ledge behind clip as shown.



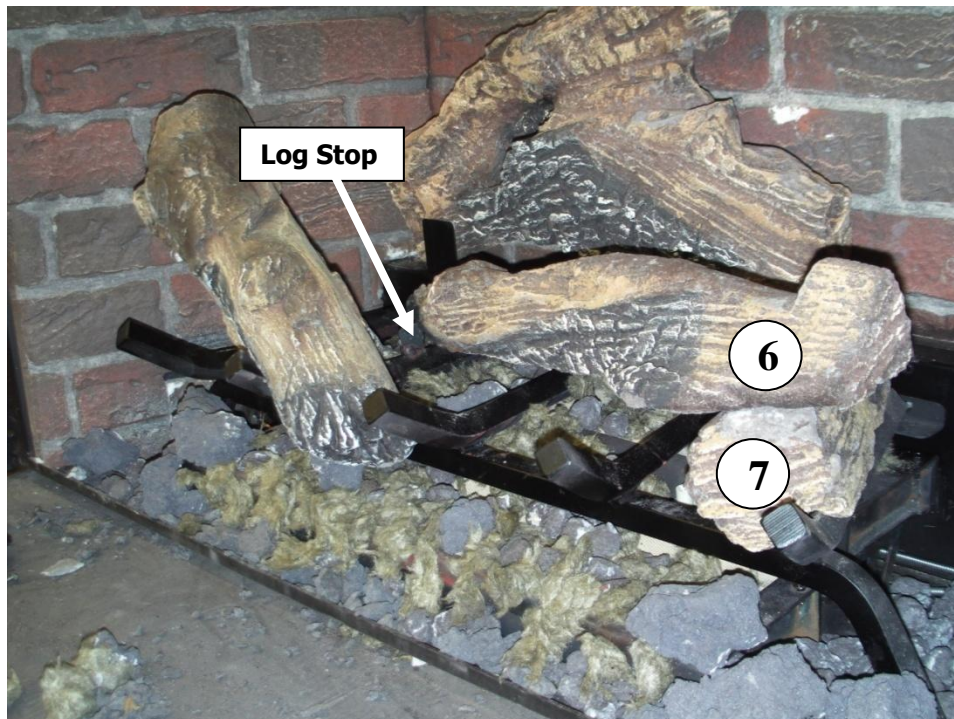
Place log #2 with groove on left grate tine. Slide rearward until nose rests against stop on 2nd tine.



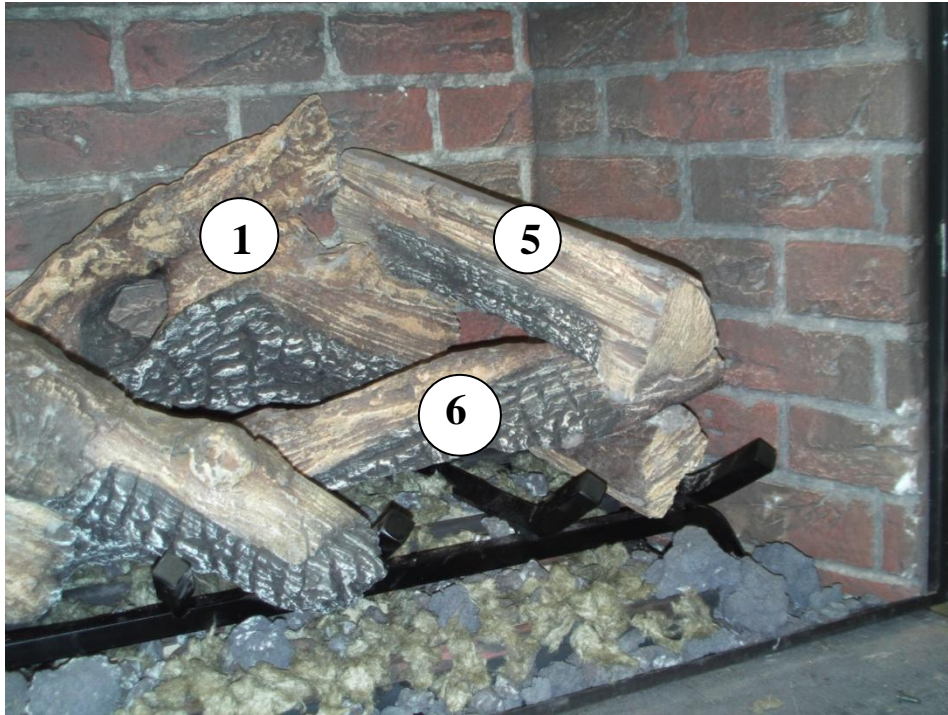
Place Log#3 over pin on Log #2 in position as shown.



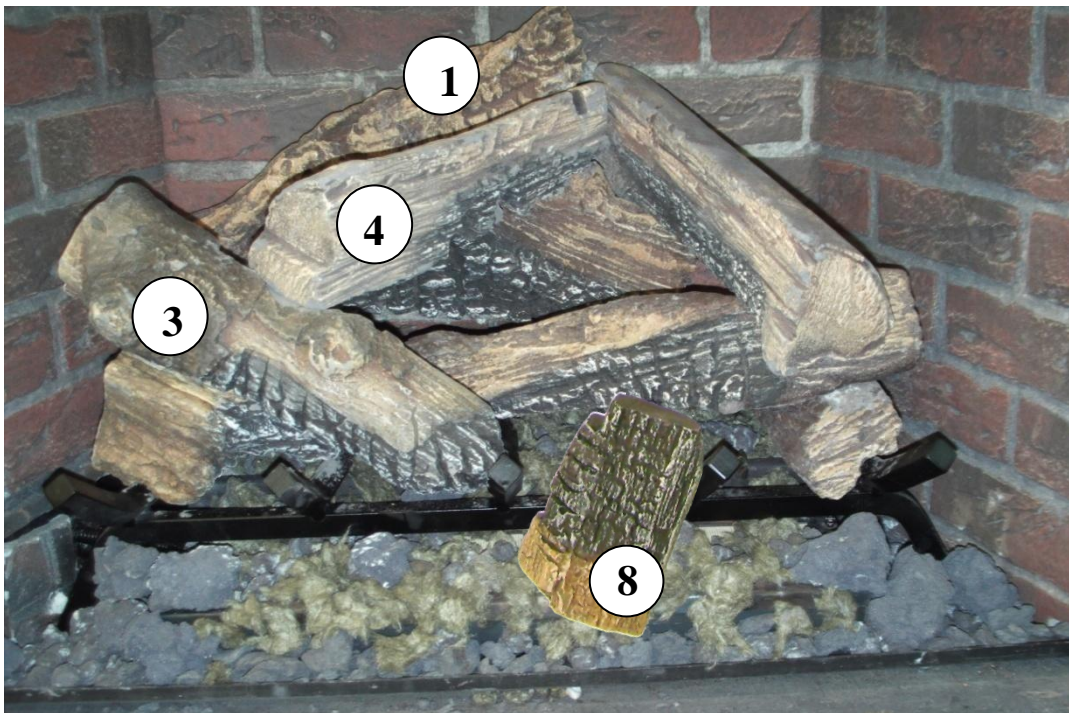
Place Log #7 on right Grate Tine with log groove resting on the tine.



Place Log #6 over pin on Log #7 with left end of Log #6 against back edge of Log Stop.



Place Log #5 on Log #6 & Log #1 in their notches.



Place Log #4 on top of Logs #1 & Log #3.

Place Log #8 in front of grate - approximately as shown.

LIGHTING INSTRUCTIONS

IMPORTANT: Be sure all items on "LIGHTING CHECK OFF LIST" [Pg. 14] have been completed!

1. Make sure any gas supply shut-off cocks are open.

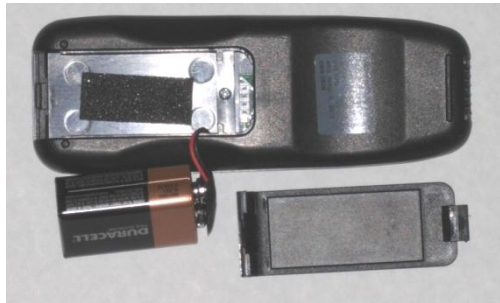
IMPORTANT: Be sure all items on "INSTALLATION CHECK OFF LIST" (PG. 30) have been completed!

CAUTION: If the pilot goes out, be sure to wait a minimum of five minutes before relighting.

3. Make sure any gas supply shut-off cocks are open.
5. Locate battery box on left side of insert opening (Remove glass door as shown on Pg# to gain access to battery box. Slide out box, remove Phillips screw and cover. Install 4 AAA batteries.



6. Install a 9 volt battery into the back side of remote control:



7. Ignite pilot with remote control as follows:

Simultaneously press the "OFF" and UP ARROW buttons, until an audible "BEEP" is heard. This starts a timing sequence during which a series of "BEEPS" is heard:

Press and release both buttons to begin ignition sequence.

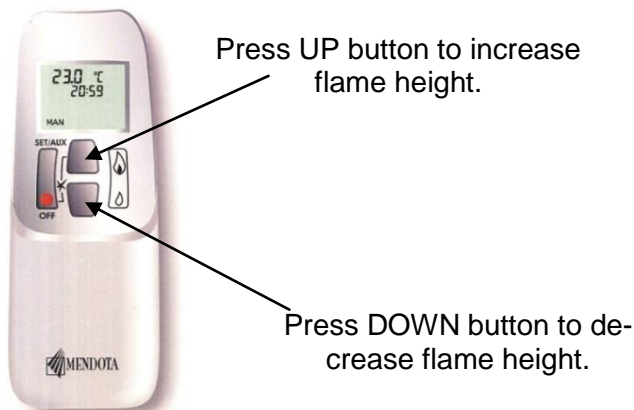


Note: After beginning ignition sequence, the remote defaults to the "TEMP" (thermostat) mode. To change to the "Manual" mode, simply push the UP or DOWN arrow.

When beeping stops, the pilot flame should be lit. If there is no pilot, wait 5 minutes, and repeat this step. If it still does not light, refer to the MERTIK MAXITROL troubleshooting information included with these instructions. After beeping stops, the main burner will automatically ignite on the high setting - after a few seconds.

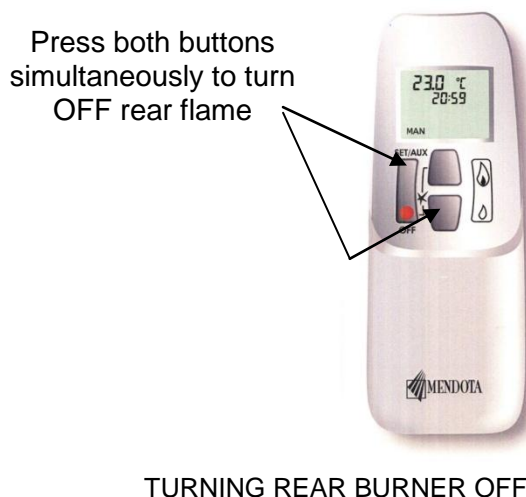
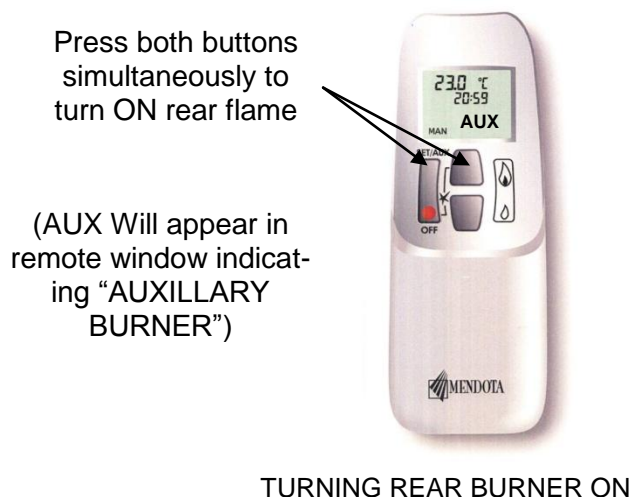
8. Changing the flame height (and heat output):

The flame level and height may be adjusted from pilot only (standing pilot), to the highest flame setting, using the UP & DOWN ARROW buttons.



9. Turning off the rear burner:

If less flame (and less heat output) is desired, the rear burner flame may be turned off by pressing "SET" and DOWN ARROW button simultaneously. The "AUX" reading in the remote control window will go out, and the rear burner will click off. To turn on the the rear burner, press the SET button and UP ARROW button simultaneously.



9. The pilot may be left on continuously by pressing the down arrow button until only the pilot remains - or shut off pilot completely by pressing the "OFF" button. To restart, repeat Step " 7, above.

10. THERMOSTAT OPERATION: The remote incorporates a thermostat function which is accessed by pressing the "SET" button. There are daytime, nighttime setback and timer modes available. The burner will actually turn down (modulate) as the room temperature nears the set temperature.

NOTE: Refer to Page 24 for a remote programming example. See the included MERTIK MAXITROL instructions for setting times, temperatures and complete operation details.

11. Open windows for first four hours of operation.

NOTICE: Initial heater start-up will cause some NON TOXIC "off gassing" of adhesives, gasket binders, paint and other materials. Most nuisance odors will be eliminated after the first two hours of operation; however, slight amounts may be present during first 24 hours of initial operation. To eliminate all nuisance odors, continuously operate this wall unit on the HIGH setting for 4 to 6 hours.

PROGRAMMING THE MERTIK REMOTE CONTROL EXAMPLE

Mendota FV-44i Full View Insert

Desired 24 hour Time and Temperature Program:



Room Temp: 72 degrees from 6:00 AM to 9:30 AM

Set Back Temp: 55 degrees from 9:30 to 4:00 PM

Room Temp: 72 degrees from 4:00 PM to 11:30 PM

Set Back Temp: 55 degrees from 11:30 PM to 6:00 AM

Follow the Mertik remote control instructions and set the times and temperatures as shown in the following table:

SET MODE	SET TEMP.	P1	P2
 DAYTIME	72	6:00 AM	4:00 PM
 NIGHTTIME (SETBACK)	55	9:30 AM	11:30 PM

To operate the insert in the programmed time and temperature mode:

Insert in Standby Mode (pilot operating continuously) &

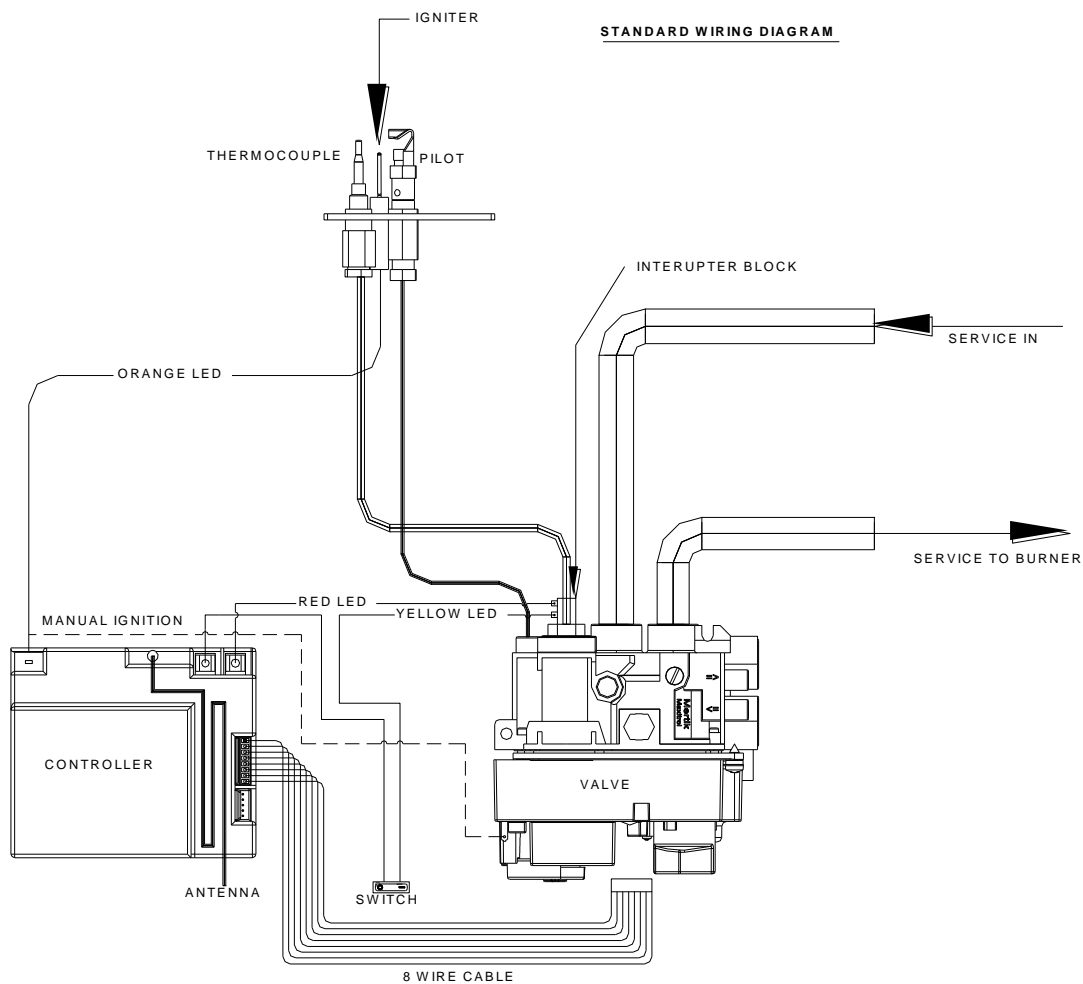
Remote set in "Timer" mode.

WARNING: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

TROUBLE SHOOTING THE FV-44i INSERT

SYMPTOM	PROBABLE CAUSES	CORRECTIVE ACTION
1. Thin black coating (soot) forms on viewing glass.	A. Incorrect gas pressure B. Not enough combustion air	Have gas supplier check for correct gas inlet pressure (7" W.C. Nat. Gas; 11" W.C. LP Gas). If sooting continues, open air shutter on burner. If sooting still continues, shut off unit and call our authorized Mendota dealer for service. NOTE: To clean glass – remove glass and wipe glass with cloth or paper towel.
2. A change in flame appearance or burner operation.	A. A change in gas pressure. B. Carbon, dirt, or lint.	Have your gas supplier check for correct gas 7" W.C. Nat. Gas; 11" W.C. LP Gas). If flame still needs adjustment see "Flame Adjustment" below. Clean out carbon, spider webs, lint, etc. from shutter area. Logs and burner. NEVER BLOCK AIR INTAKE OR OUTLET VENTS.

Valve Wiring and Plumbing Schematic



LP KIT CONVERSION – FOR Mendota FV-44i INSERT

LP Conversion Kit HA-58-00265

Caution: The electrical supply to the wall unit must be turned off prior to performing the conversion. The gas supply must be shut off prior to disconnecting the electrical power. The unit must be cold to the touch before this conversion is performed. **NOTE: LP conversion is easiest if performed prior to installation in fire-place.**

ORIFICE SIZE REQUIREMENT:

A Natural Gas to LPG conversion kit must be ordered and installed to convert the insert to burn LPG.

LP Conversion Kit #HA-58-00265 contains the following parts: Rear Orifice - **#54 Drill** (0.055") and Front Orifice - **#56 Drill** (.0465"). Use a properly sized drill bit shaft end or orifice bit to verify orifice size.

Tools needed for this operation:

- 1/2" Deep Well Socket
- 7/16" Open End Wrench
- 1/4" Nut Driver
- 3/8" Nut Driver or Socket wrench
- Channel Lock pliers or adjustable open end Wrench (Crescent)

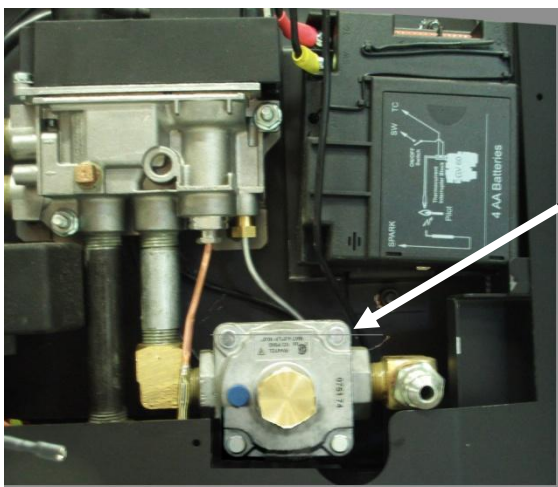
WARNING

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion, or production of carbon monoxide may result causing property damage, personal injury, or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

1. Turn off gas supply at the appliance service valve.
2. Locate the in-line pressure regulator (position shown below. Remove the brass cap from the regulator body (with adjustable wrench or channel lock). See the following page for details on converting this regulator.
3. Re-install the brass cap onto the regulator, ***Do Not Over-tighten***, this fixture is composed of Brass and may become damaged if it is over-tightened.

NATURAL GAS TO LP GAS CONVERSION – REGULATOR SPECIFIC INSTRUCTIONS

To change to LP gas operation, follow the following instructions:



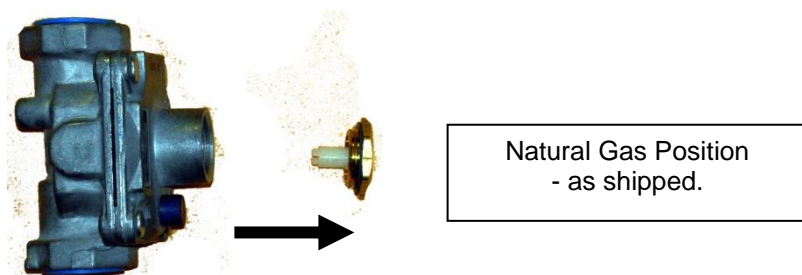
Front View



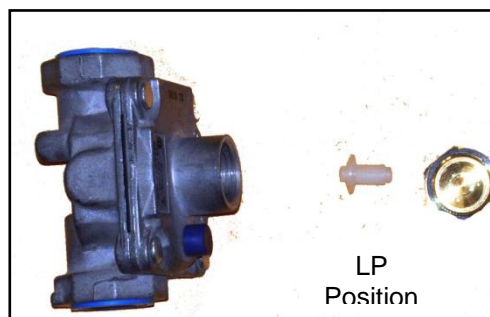
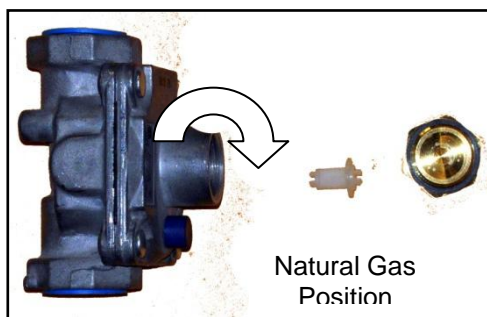
Side View

Find the gas regulator which is located below the Mertik gas valve assembly, located on the right side of the insert:

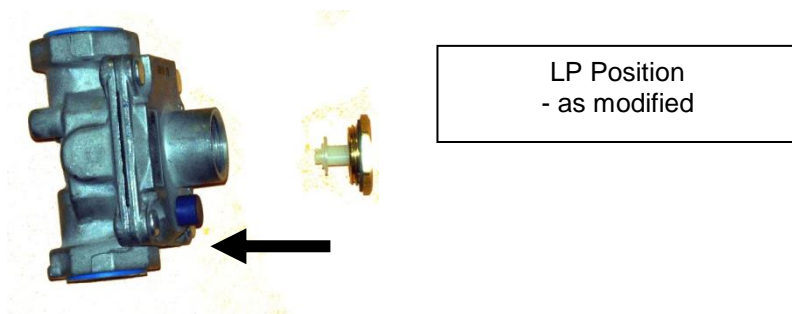
1. Remove the regulator cap with a adjustable open end or channel lock pliers (turn counter-clockwise), and observe the removable plastic stem:



2. Snap out the plastic stem and rotate it to the LP Position:



3. Reinstall regulator cap and stem:



NATURAL GAS TO LP GAS CONVERSION – PILOT INSTRUCTIONS

A selectable sliding pilot orifice (LP or Nat) is located beneath the pilot hood base. By loosening the pilot hood base with 7/16" open ended wrench, the orifice may be slid into the LP or NAT position as shown:



Once LP or NAT gas is selected, retighten the pilot base. Do not over tighten

NATURAL GAS TO LP GAS CONVERSION – MAIN ORIFICE SPECIFIC INSTRUCTIONS

Changing the main orifice requires the following tools:

- 9/16" Open-Ended Wrench
- 1/2" Deep Well Socket

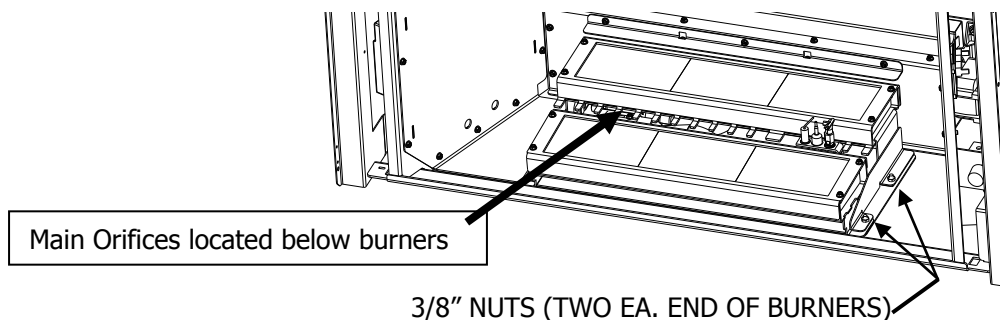
Remove the 3/8" nuts as shown in the detailed drawing below.

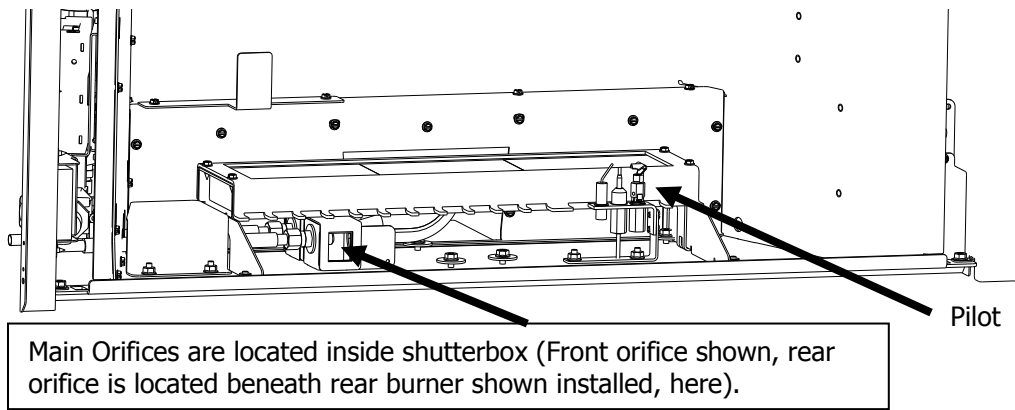
Slide the burners to the right, to disengage both burner venturi tubes from the air boxes. The LP Main Orifices included in the LP Conversion Kit are #54 for rear and #56 for the front burner. Verify proper sizing with drill bits.

Replace the Front and Rear Orifices using the 1/2 " deep well socket.

Reinstall the burners and venturi tubes into the air boxes. Replace the 3/8" nuts and tighten completely.

Note: Use these instructions to convert this unit to High Altitude Specification for the Main Orifices.





Replace the Front and Rear Orifices using the 1/2 " deep well socket.

Reinstall the burners and venturi tubes into the air boxes. Replace the 3/8" nuts and tighten completely.

Note: Use these instructions to convert this unit to High Altitude Specification for the Main Orifices.

LP GAS PRESSURE REQUIREMENTS

Inlet and manifold gas pressure checking taps are located on gas valve. A qualified installer shall take pressure measurements at these ports to verify and set the correct gas pressures during the LP Kit installation. Manifold pressure must be taken at the "MANIFOLD PRESSURE" tap and inlet pressure at the "INLET PRESSURE" tap **with the burner operating** by a qualified installer. For a detail of the location of these taps see page

	DESIRED INLET PRESSURE	MINIMUM INLET PRESSURE	MAXIMUM INLET PRESSURE	MANIFOLD OUTLET PRESSURE	AIR SHUTTER POSITION
L.P. GAS	11.0" W.C. (2.75 kPa)	11" W.C. (2.75 kPa)	13.0" W.C. (3.24 kPa)	10.0" W.C. (2.5 kPa)	1/4" OPEN MIN. (5 mm)

TURN GAS VALVE HI-LO KNOB TO "HIGH" POSITION. OUTLET GAS PRESSURES MAY VARY PLUS OR MINUS 5%.

LPG PROPER INPUT RATES:

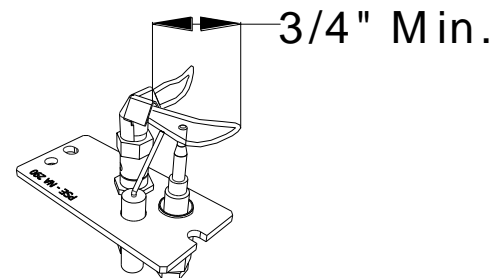
With the proper orifices installed, as specified above, this wall unit utilizing LP Gas will have a maximum input rate of 23,500 Btu/Hr.

LEAK TESTING REQUIREMENTS

Prior to completing the conversion process , check for gas leaks with soap and water solution at all plumbing joints prior to placing this appliance into operation. It is recommended that all gas-plumbing joints, factory installed and field installed are checked for leaks.

PILOT FLAME AND MAIN BURNER RELATIONSHIP VERIFICATION

Prior to completing the conversion process, the qualified service technician must, light the pilot light and verify the relationship between the pilot light flames and the main burner. The pilot light flames directed towards the propagation ports on the burner must overlap the propagation ports on the burner. The pilot light flames must be a minimum of 3/4" long and must overlap the propagation ports on the burner. Verify that the burner ignites quickly and the burner flames propagate smoothly along the entire length of the burner.



PILOT FLAME LENGTH ADJUSTMENT

If the pilot light flame length is too short, the thermocouple may not detect voltage adequate to open the valve, a qualified installer may adjust the length of the pilot light flames to meet the demand of the thermocouple.

CHECKING FOR NORMAL BURNER (S) IGNITION CHARACTERISTICS

Once the conversion to LPG and all the above steps have been completed, light the main burners. Turn Gas Dial counterclockwise to "ON" then set Thermostat or push Main Burner ON/OFF switch to turn on burners. Main burner should now light IMMEDIATELY and flame should not "lift" off burner. If there is any delay in ignition or if flame is "lifting off" burner, turn off burner and carefully check for proper installation of logs/coals, vent system and proper pilot flame impingement on burner and thermopile. Logs or coals must not block pilot flame or main burner flame. Vent system must be leak proof.

ATTACHING LPG CONVERSION LABELS AND HIGH ALTITUDE DE-RATION LABEL

Two printed informational labels are included with the LPG Conversion Kit. Attach these two labels to inner surface of the left side controls access door. If you are de-rating this appliance at a high altitude, also attach the High Altitude De-ration Label, supplied in the Owner's Manual Packet, to this same surface. Prior to attaching the labels, fill in all the information that is requested in these labels.

For LP installations from 610-1370 meters (2000-4500 ft.) the orifice sizes (DMS) for natural gas are #47 Front/#39 rear and for propane gas are #57 front/#54 rear.

GAS LEAK TEST REQUIREMENT: It is the responsibility of the installer/service person to assure that each and every gas connection and supply tubing that are a part of this fireplace are leak proof. The qualified/ certified individual connecting the gas supply line, performing pressure tests or performing any service to this fireplace is required to perform a THOROUGH LEAK TEST on ALL gas fittings that are a part of this appliance or the gas supply line connection using soap-water solution or a calibrated combustible gas detector. Failure to perform this leak test may lead to a house fire and/or an explosion. Mendota is not responsible for any damages due to an Installer's failure to conduct a leak test and verify that all connections and supply lines are leak proof.

WARNING: Do not operate appliances with glass front removed, cracked, or broken. Replacement of glass should be done a licensed or qualified service person.

Note: Consult the local or national installation code(s) to assure that adequate combustion and ventilation air is available.

BLOWER OPERATION AND WIRING

The Mendota Gas Inserts are equipped with hot air dual blowers. A 120-volt electrical service must be supplied for these blowers at the fireplace at the time of installation.

These specially designed Blower Kits are equipped with heavy duty 1,000° wiring. They include an automatic snap switch that automatically turns the blowers "On" after heat up (approx. 20 min.) and "Off" after the unit cools (approx. ½ hr.). A variable speed rheostat is also included that allows the operator to fully adjust the blower hot air output.

The low profile centrifugal, radial flow blowers are made of special alloy steel for constant high-speed operation at high temperatures. Blowers are equipped with long-life, maintenance-free bearings that insure quiet operation and maximum airflow.

The blowers are ideal for owners who wish to maximize the heating capacity and efficiency of Mendota Gas Fireplaces. The blowers greatly increase total heating capacity by forcefully moving hot air away from the fireplace and mantel area and out into the room. The blowers increase the overall efficiency of the Mendota units by up to 5%.

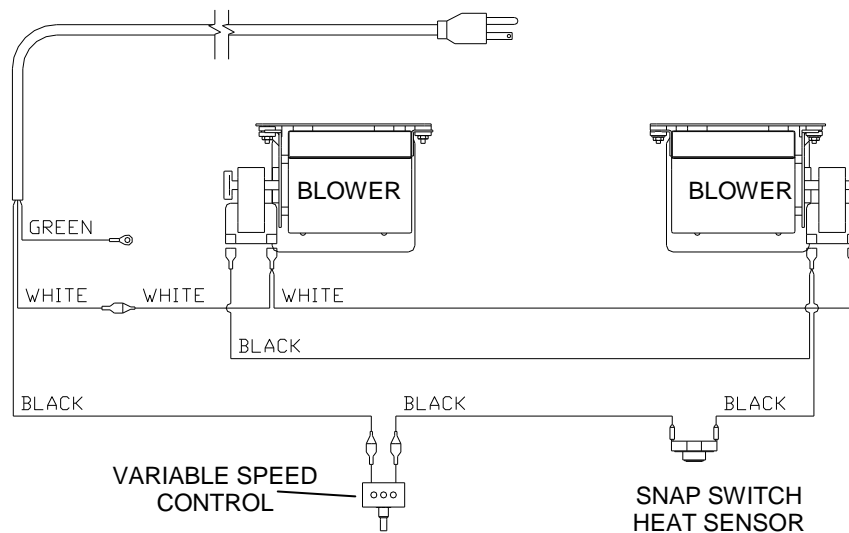


FIGURE 1

WARNING: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY OPERATION AFTER SERVICING.

CUSTOMER INFORMATION AND TROUBLE-SHOOTING

MAXIMUM ALLOWABLE SURFACE TEMPERATURE

Mendota Inserts/Fireplaces comply with UL Standards for maximum surface temperatures on exposed combustible surfaces adjacent to the Insert. The Maximum allowable surface temperature is 117° F. over ambient (room) temperature. Thus, if a room is 70° – 80° the exposed combustible surfaces immediately surrounding the Insert can have a surface temperature as high as 187° F. – 200° F. (too hot to touch).

OVER FIRING/UNDER FIRING OF BURNER

NEVER "over fire" units by adjusting gas pressure to increase BTUH above nameplate specifications. Over firing can cause permanent damage to firebox and deterioration of parts and void warranty.

NEVER "reduce" main burner or pilot flames below required Millivolts (see pg.34)

PILOT OUTAGE AND RE-LIGHTING

If pilot goes out, be sure to wait a minimum of five minutes before attempting to re-light the pilot. **BE SURE TO ALWAYS REMOVE GLASS BEFORE LIGHTING PILOT.**

CLEANING VIEWING GLASS

The viewing glass should be cleaned periodically. Exterior glass may be cleaned with cleaner as desired. Interior glass - use soap and water. NEVER USE ABRASIVE CLEANERS, NEVER CLEAN GLASS WHILE OPERATING, OR WHEN GLASS IS HOT.

NOTE: Additives that are put in gas (both natural and propane) to make it smell can be harmful to glass and can leave a white film deposit on the glass. This deposit can be removed with cleaners such as KEL KEM "Polish Plus" (# 65-06-00455, See your dealer for availability).

In some cases (especially propane) additives can cause "crazing" or etching on the glass. Although this is not normal, it is not covered under the warranty. The solution may be to change propane suppliers.

Sooting is caused by improper installation or operation. At the first sign of "sooting" (usually a thin black film on the Fireplace viewing glass) the unit must be immediately turned off and the local Mendota dealer promptly informed. Mendota products are designed and tested to operate without producing any "sooting" when installed and operated correctly. Mendota dealers will correct "sooting" problems, but Mendota and their dealers are not responsible for damage caused by excessive sooting that has not been immediately brought to their attention.

AGA/ANSI APPROVAL

Gas appliances must be tested and certified by a nationally recognized testing and certification laboratory to ANSI [American National Standards Institute] gas appliance safety standards.

The Mendota Gas Fireplace Insert has been tested and certified by Intertek Testing Services, 8431 Murphy Drive, Middleton, Wisconsin 53562.

The Mendota Gas Fireplace Inserts have met all necessary AGA/ANSI Standards and are fully certified for installation in any community.

TROUBLE SHOOTING MENDOTA GAS FIREPLACE INSERT

SYMPTOM	PROBABLE CAUSES	CORRECTIVE ACTION
1. Thin black coating [soot] forms on viewing glass.	A. Incorrect gas pressure B. Not enough combustion air	Have gas supplier check for correct gas pressure [7" W.C. Nat. Gas; 11" W.C. LP Gas]. If sooting continues open-air shutter on burner [see "Gas Flame Adjustment" below]. If sooting still continues, call a Mendota dealer. NOTE: To clean glass - remove glass and wipe glass with cloth or paper towel.
2. Humming or whistling coming from Fireplace Insert.	A. Normal operating noise.	Some noise is normal. It is caused by the gas supply flowing through the gas orifice. It is expected from any gas fireplace. The noise can be reduced by turning the Hi/Lo Knob on the control. Turning down the flame will reduce the heat output of the Insert.
3. A change in flame appearance or burner operation.	A. A change in gas pressure. B. Carbon dirt or lint.	Have your gas supplier check for correct gas 7" W.C. Nat. Gas; 11" W.C. LP Gas]. If flame still needs adjustment see "Flame Adjustment" below. Clean out carbon, spider webs, lint, etc. from shutter area. NEVER BLOCK AIR INTAKE OR OUTLET VENTS.

GAS FLAME ADJUSTMENT

During the initial installation, the air shutter opening should be checked to be certain that the shutter is set correctly at 1/8" to 1/4" open for natural gas and 1/2" minimum open for L.P. gas. NOTE: For altitudes above 5,000 ft., some variations may be required.

Be sure burner and logs are properly installed (see pages 15-27). After burner has been properly installed and operated for 2-3 hours, small additional adjustments to the air shutter may be necessary for final flame appearance. These small shutter adjustments can be made by the following procedure:

[NOTE: Very small changes in shutter settings make major changes in flame appearance.]

- Air shutter controls are located on the right side of the unit, behind facings or door, next to the glass door frame.
- If flame is too "blue," push air shutter knob in (close) in small 1/8" increments until flame turns desired realistic "orange."
- If flame is too "orange" or is causing sooting on viewing glass, pull air shutter knob out (open) in approx. 1/8" increments until sooting stops. IF SOOTING DOES NOT STOP, TURN OFF UNIT AND CALL YOUR MENDOTA SERVICE PERSON.

IMPORTANT: Try each new shutter setting approx. ½ hr. before making additional changes. NOTE: Changes in front burner flame can be made by re-arranging the coals and front burner air shutter opening. (See above.)

MAINTENANCE

1. **ANNUAL MAINTENANCE OF MENDOTA UNITS IS REQUIRED.** The following procedures must be performed each year by a Mendota approved service person. NOTE: Any adjustments to burner, pilot or logs must be done by a qualified Mendota service person.
 - A. Clean all lint and dust build-up around the control. Inspect the condition of any wiring under the burner for melting or damage.
 - B. Remove logs & coals and clean away any foreign matter (lint, carbon, etc.) on the burner and logs. Be sure the burner ports are "open". Clean the pilot and under side of the logs for any carbon deposits. NOTE: Logs should be visually checked for carbon "build-up". If carbon deposits are visible on logs, unit should be turned off and Mendota service person contacted.
 - C. Make sure hot air outlet grills are free from lint and other obstructions. Never block or obstruct grill openings. Check condition of gaskets, gaskets must be tight, replace if necessary.
 - D. Check that chimney flue and outlet are open and free of blockage.
 - E. Before re-installing glass, have qualified service person check the operation of the pilot and cycle the burner per LIGHTING INSTRUCTIONS (see Pg. 18).
3. **THE VIEWING GLASS SHOULD BE CLEANED PERIODICALLY.** Exterior glass may be cleaned with cleaner as desired. Interior glass - use KEL KEM "Polish Plus", part # 65-06-00455.

WARNING: NEVER CLEAN GLASS WHEN UNIT IS HOT. DO NOT USE ABRASIVE CLEANERS. BREAKAGE AND SCRATCHES MAY RESULT.

WARNING: Use only authorized parts and materials obtained from Johnson Gas Appliance Company when replacing defective or damaged glass.

WARNING: In the unlikely event of glass breakage, carefully remove loose glass before removing the door. ALWAYS wear protective leather gloves and safety glasses when handling broken glass.

DO NOT attempt to replace the glass in the door frame assembly. Contact your authorized Mendota dealer, and order the complete door assembly with glass installed. This is necessary to assure proper gasket and door seals when reinstalled. Failure to do this could result in dangerous flue products leakage into the living area.

DO NOT use glass from other suppliers as a replacement.

DO NOT substitute other manufacturer's materials or components.

DO NOT operate unit with cracked, broken or missing glass.

DO NOT FORCE, STRIKE OR SLAM GLASS DOOR ASSEMBLY.

Replacement and Service Parts

Note: Glass replacement is to be done by ordering the complete Glass Frame assembly #HA-58-00029. This assembly includes all necessary gaskets, glass and steel frame. Any replacement of glass other than this method voids the warranty and my cause injury.

05-05-0047	Pilot
05-02-00332	Solenoid
05-02-00317	Valve
05-02-00318	Control Box
05-03-00062	Regulator
70-01-00113	Burner Tile
HA-58-00029	Glass Frame Assembly
15-02-00088	Blower
35-01-00524	Log Set, includes all logs
35-01-00495	Log #1
35-01-00496	Log #2
35-01-00497	Log #3
35-01-00498	Log #4
35-01-00499	Log #5
35-01-00500	Log #6
35-01-00501	Log #7
35-01-00311	Coals (Large)
35-01-00240	Coals (Small)
35-01-00239	Wool
65-06-00646	Remote
HA-47-00168	Glass Frame Tool
HA-74-00006	Grate
35-01-00525	Brick Panel Set – includes left, right and rear panels
35-01-00505	Brick Panel, Left
35-01-00506	Brick Panel, Right
35-01-00507	Brick Panel, Rear
35-01-00521	Brick Panel, Top-Optional
HA-58-00265	LP Conversion Kit



LISTED DIRECT VENT GAS FIREPLACE HEATER
(POELE AU GAZ HOMOLOGUÉ, À AÉRATION DIRECTE)
NOT FOR USE WITH SOLID FUEL
(NE DOIT PAS ÊTRE UTILISÉ AVEC UN COMBUSTIBLE SOLIDE)

MANUFACTURED BY (FABRIQUÉ PAR): EVENTEMP, INC., WACO, NEBRASKA, FOR
JOHNSON GAS APPLIANCE CO. CEDAR RAPIDS, IOWA
CERTIFIED FOR CANADA HOMOLOGUE POUR LE CANADA
TESTED TO (TESTÉ AUX NORMES)
ANSI Z21.88-2005 * CSA 2.33-2005 * CAN/CGA 2.17-M91

WARNING: IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE PROPERTY DAMAGE, PERSONAL INJURY, OR LOSS OF LIFE. REFER TO THE OWNER'S INFORMATION MANUAL PROVIDED WITH THIS APPLIANCE. INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED INSTALLER. **CAUTION:** DO NOT OPERATE WITH GLASS DOOR REMOVED, CRACKED, OR BROKEN. THIS VENTED GAS FIREPLACE HEATER IS NOT FOR USE WITH AIR FILTERS. REGISTER KIT MAY BE USED.

MISE EN GARDE: INSTALLATION, RÉGLAGE, MODIFICATION, ENTRETIEN OU DÉPANNAGE NON APPROPRIÉS POURRAIENT CAUSER DES BLESSURES OU DES DOMMAGES MATÉRIELS. RÉFÉREZ-VOUS AU MANUEL DU PROPRIÉTAIRE FOURNI AVEC CET APPAREIL. POUR ASSISTANCE OU RENSEIGNEMENTS COMPLÉMENTAIRES, VEUILLEZ CONSULTER UN INSTALLATEUR EXPÉRIMENTÉ, UNE AGENCE DE DÉPANNAGE/ENTRETIEN OU VOTRE COMPAGNIE GAZIÈRE, POUR UTILISATION AVEC LES PORTES EN VERRE CERTIFIÉE L'APPAREIL SEULEMENT. NE PAS OPÉRER AVEC LE VERRIER ENLEVÉ, CRAQUELURE, BRISÉ.

	<input type="checkbox"/> NATURAL GAS (GAZ NATUREL)	<input type="checkbox"/> LP GAS (GAS DE PÉTROLE) LIQUÉFIÉ (GPL))
INPUT RATING (BTR/HR) 0-610m (ENTRÉE NOMINALE)	41,400	39,000
MIN. INPUT RATING (BTU/HR) 0-610m (MINIMALE ENTRÉE NOMINALE)	18,078	17,667
ORIFICE 0-610m (ORIFICE)	#46 front / #39 rear	#56 front / #54 rear
MIN. INPUT PRESSURE (INCHES OF WATER COLUMN)	5"	11"
ORIFICE 610-1370m (ORIFICE)	#47 front / #39 rear	#57 front / #54 rear
INPUT RATING (BTU/HR) 610-1370m	41,200	38,800
MAXIMUM OUTPUT (BTU/HR) (SORTIE MAXIMALE)	31,800	30,200
MANIFOLD PRESSURE (INCHES OF WATER COLUMN) (LOW/HIGH)	3"/3"	10"/10"

THIS APPLIANCE IS ONLY FOR USE WITH THE TYPE OF GAS INDICATED ON THE RATING PLATE AND MAY BE INSTALLED IN AN AFTERMARKET, PERMANENTLY LOCATED MANUFACTURED (MOBILE) HOME WHERE NOT PROHIBITED BY LOCAL CODES. SEE OWNER'S MANUAL FOR DETAILS. THIS APPLIANCE IS SUPPLIED WITH A CONVERSION KIT.

MINIMUM CLEARANCES TO COMBUSTIBLE CONSTRUCTION			
UNIT TO SIDEWALL	16 in. (205 mm)	UNIT TOP TO 8" MANTEL	12 in. (305 mm)

CAUTION: HOT WHILE IN OPERATION. DO NOT TOUCH. KEEP CHILDREN, CLOTHING, FURNITURE, AND FLAMMABLE LIQUIDS OR VAPORS AWAY.

ATTENTION: L'APPAREIL EST CHAUD LORSQU'IL FONCTIONNE. NE PAS TOUCHER L'APPAREIL. SURVEILLER LES ENFANTS. GARDER LES VÊTEMENTS, LES MEUBLES, L'ESSENCE OU AUTRES LIQUIDES À VAPEUR INFLAMMABLES LOIN DE L'APPAREIL.

ELECTRICAL RATING (COURANT NOMINAL): 120 VOLTS 60 HERTZ LESS THAN 1.5 AMPERES

DO NOT REMOVE OR COVER THIS LABEL
VEUILLEZ A NE JAMAIS ENLEVER NI DISSIMULER CETTE ÉTIQUETTE

MFG. DATE:

MODEL: D-44 i

SERIAL NO.

WH-D44i-

65-01-00354

LABEL SIZE: 5-7/8" WIDE X 7-3/8" TALL

NOTES

MENDOTA WARRANTY QUALIFICATION & SERVICE REFERENCE FORM

As a part of Mendota's on-going program of customer satisfaction, this Form verifies proper installation and operation. It is important as a reference for future service. It insures long life and trouble-free operation of Mendota fireplaces & stoves and qualifies the owner for Mendota's lifetime limited warranty. Owner should sign Form when completed. Optionally, please register at our website at : WWW.JOHNSONGAS.COM/MENDOTA-REGISTRATION.ASP

HOME OWNER: _____ DEALER: _____
ADDRESS: _____ ADDRESS: _____
CITY/STATE/ZIP: _____ CITY/STATE/ZIP: _____
SIGNATURE: _____ PHONE: _____
MODEL #: **FV-44i** SERIAL #: _____ DATE INSTALLED: _____
GAS _____ NAT or _____ L.P.

Mendota Fireplace Inserts are sophisticated, hi-tech gas appliances. All installation and operating instructions must be carefully followed. The DXV fireplace must be installed and serviced by a qualified Mendota approved service person.

REF: MENDOTA GAS FIREPLACE INSERT

- ☐ APPROVED VENT PIPES AND VENT CAP INSTALLED - Per Manual and manufacturer's specifications
- ☐ CHECK FOR PROPER CLEARANCES TO COMBUSTIBLES - Per pipe manufacturer's specifications
- ☐ INSTALL PROPER SIZE GAS LINES - CHECK FOR GAS LEAKS - Per Manual
- ☐ CHECK FOR CORRECT GAS PRESSURE AT SUPPLY INLET
 - a. 3.5 Inches Water Column Maximum - Nat. Gas
 - b. 10.5 Inches Water Column Maximum - L.P. Gas
- ☐ CYCLE BURNERS ON/OFF FOR PROMPT IGNITION - Per "LIGHTING INSTRUCTIONS"
Burner must light IMMEDIATELY - Flame must travel promptly around "curve" & light burner.
- ☐ INSTALL LOGS AND ADJUST FLAME - Per Manual
Proper pilot flame impingement on thermopile & burner - Air shutter opening: 1/8" - 1/4" Nat. Gas - 1/2" LP
- ☐ BRIEF OWNER ON OPERATION AND MAINTENANCE OF UNIT
 - ☐ Light Pilot
 - ☐ Operate Burner
 - ☐ Explain blower "delay" operation

WARRANTY REGISTRATION

Your Name _____
Address _____
City _____ State ____ Zip _____
Dealer (Place of Purchase) _____
City _____ State ____ Zip _____
Date of Purchase _____ Serial Number _____
Purchaser's Signature _____
MENDOTA FIREPLACE INSERT, FV-44i

CUT OUT PAGE AND MAIL TO: JOHNSON GAS APPLIANCE CO., 520 E AVE. N.W. , CEDAR RAPIDS, IOWA 52405
OR REGISTER YOUR NEW INSERT AT: WWW.JOHNSONGAS.COM/MENDOTA-REGISTRATION.ASP

TAPE SHUT

POSTAGE
NEEDED

**JOHNSON GAS APPLIANCE COMPANY
520 E AVENUE N.W.
CEDAR RAPIDS, IA 52405**

MENDOTA EXTENDED LIFETIME PROTECTION AND LIMITED WARRANTY

MENDOTA GAS FIREPLACE INSERT MODEL: FV-44i NAT. & L.P.

Mendota Division of Johnson Gas Appliance Company, 520 E Avenue N.W. Cedar Rapids, Iowa 52405, extends this Extended Lifetime Protection and Limited Warranty to the original purchaser of a Mendota Gas Fireplace Insert, Serial Number _____, which is limited and used under normal home conditions.

STANDARD WARRANTY:

JOHNSON GAS APPLIANCE CO., MENDOTA DIVISION, WARRANTS THAT YOUR NEW MENDOTA GAS FIREPLACE INSERT IS FREE FROM MANUFACTURING AND MATERIAL DEFECTS FOR A PERIOD OF ONE YEAR FROM THE DATE OF INSTALLATION, SUBJECT TO THE FOLLOWING CONDITIONS AND LIMITATIONS:

EXTENDED LIFETIME WARRANTY:

THE HEAT EXCHANGER, THE BURNER TUBE, THE COMBUSTION CHAMBER AND THE OUTER SHIELD OF THE MENDOTA GAS FIREPLACE INSERT ARE WARRANTED FOR THE LIFETIME OF THE ORIGINAL OWNER, SUBJECT TO PROOF OF PURCHASE AND THE FOLLOWING CONDITIONS AND LIMITATIONS:

- 1) This new Mendota Fireplace Insert must be installed and serviced by a competent, authorized service contractor. It must be installed and operated at all times in accordance with the installation and operating instructions furnished with the Fireplace. All adjustments to logs, coals or burner must be made by an authorized Mendota Service person.

This limited warranty does not cover the cost of service calls, the cost of labor to remove or install parts covered by this limited warranty, freight or other transportation expenses that may be incurred in connection with obtaining performances under this limited warranty. The remedy for damages as the result of any defects in this product which have been warranted herein is limited to replacement parts and does not include any incidental, indirect or consequential damages or expenses sustained in connection with the products, including damages to property, except as provided by law.

Cracks in the burner ceramic plaques is normal and not covered under warranty, unless pieces of the ceramic are missing.

- 2) This warranty is non-transferable and is made to the original retail purchaser, provided the purchase was made through an authorized Mendota dealer.

Mendota is not responsible for any damage to or malfunction of the Insert unless caused by a defect in material or workmanship from normal home use. Damage caused by abuse, improper installation or operation, installation by unqualified personnel or breach of the conditions of this limited warranty will excuse Mendota from performance of any part of the limited warranty. This warranty does not cover glass or log breakage.

Mendota has the right to investigate and inspect the exact original fireplace and materials, in the event a claim is made (without alterations or tampering), to determine whether the claimed damage or malfunction was caused by abuse, improper installation or other cause outside this warranty. Mendota is not responsible for any repairs or material purchases that have not received prior written approval from Mendota.

NOTE: Minor warping of certain parts or discoloration is normal and is not a defect covered by this limited warranty. Over-firing of your Mendota Fireplace Insert can cause major warping of parts. Over-firing above rated nameplate specifications is contrary to the manufacturer's instructions and WILL void this warranty.

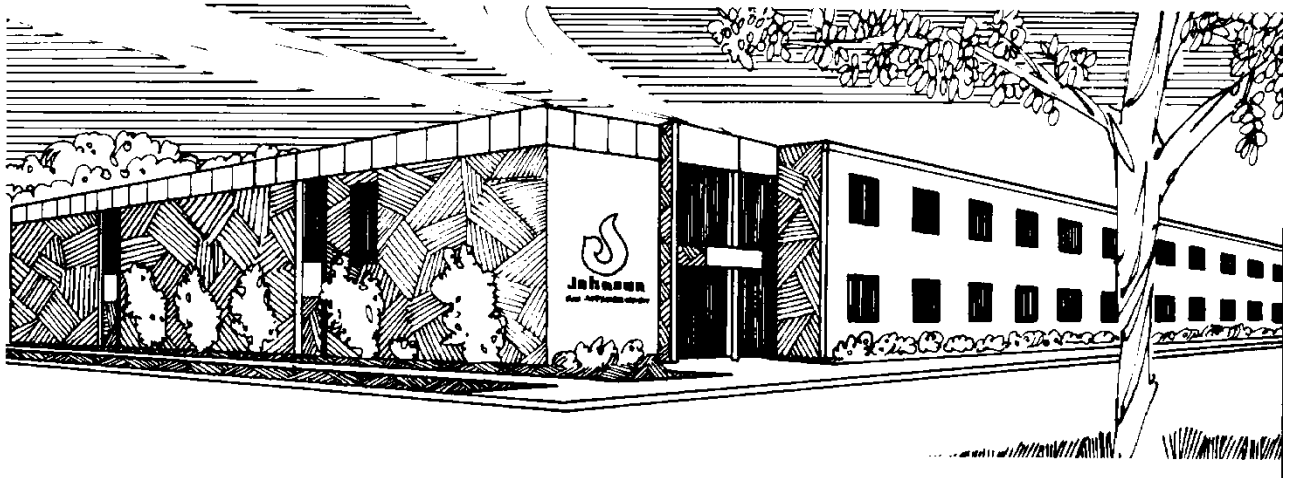
This warranty may not be extended by our representatives in any manner. The company neither assumes, nor authorizes any third party to assume, on its behalf, any other liabilities with respect to the sale of this Mendota product.

- 3) Mendota may at its discretion, fully discharge all obligations of this warranty by refunding the wholesale price of the defective part(s).
- 4) All other warranties - expressed or implied - with respect to the product, its components and accessories, or any obligation/liabilities on the part of the company are hereby expressly excluded. Products made by other manufacturers, sold with the Fireplace or thereafter, are not covered by this limited warranty. The use of unauthorized components will make this warranty null and void.

This warranty shall be effective only if the original purchaser of the Mendota appliance is registered with Mendota Division within thirty (30) days of the date of purchase. Such registration or the failure to register shall not be deemed to create any obligation or liability by the manufacturer and this warranty with its conditions and limitations shall be the only procedure for obtaining any rights against the manufacturer and expresses the sole obligation and responsibilities of the manufacturer which are offered to the original purchaser and accepted upon purchase of the appliance.

Mendota Division, reserves the right to make changes at any time without notice, in design, material, specifications, prices and the right to discontinue styles and products.

Some states do not allow the exclusions of limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.



Johnson Gas Appliance Company
520 E Avenue N.W. - Cedar Rapids, IA 52405

Website: www.johnsongas.com or www.mendotahearth.com